



renewable
energy
& energy
efficiency
partnership



ADB Clean Energy Week

Best Practice in Energy Efficiency and Renewable Energy

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**South East Asia & Pacific Regional Secretariat
Renewable Energy and Energy Efficiency Partnership**



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Regional Focus and Vision

1. Increase the sustainability of the demand and supply side of energy systems
2. Reduce market barriers and financial obstacles for renewables and energy efficiency systems
3. Action on the ground via project activities that are targeted on policy improvements and innovative finance mechanisms
4. Improve access to opportunities for the poor through reliable and clean energy services

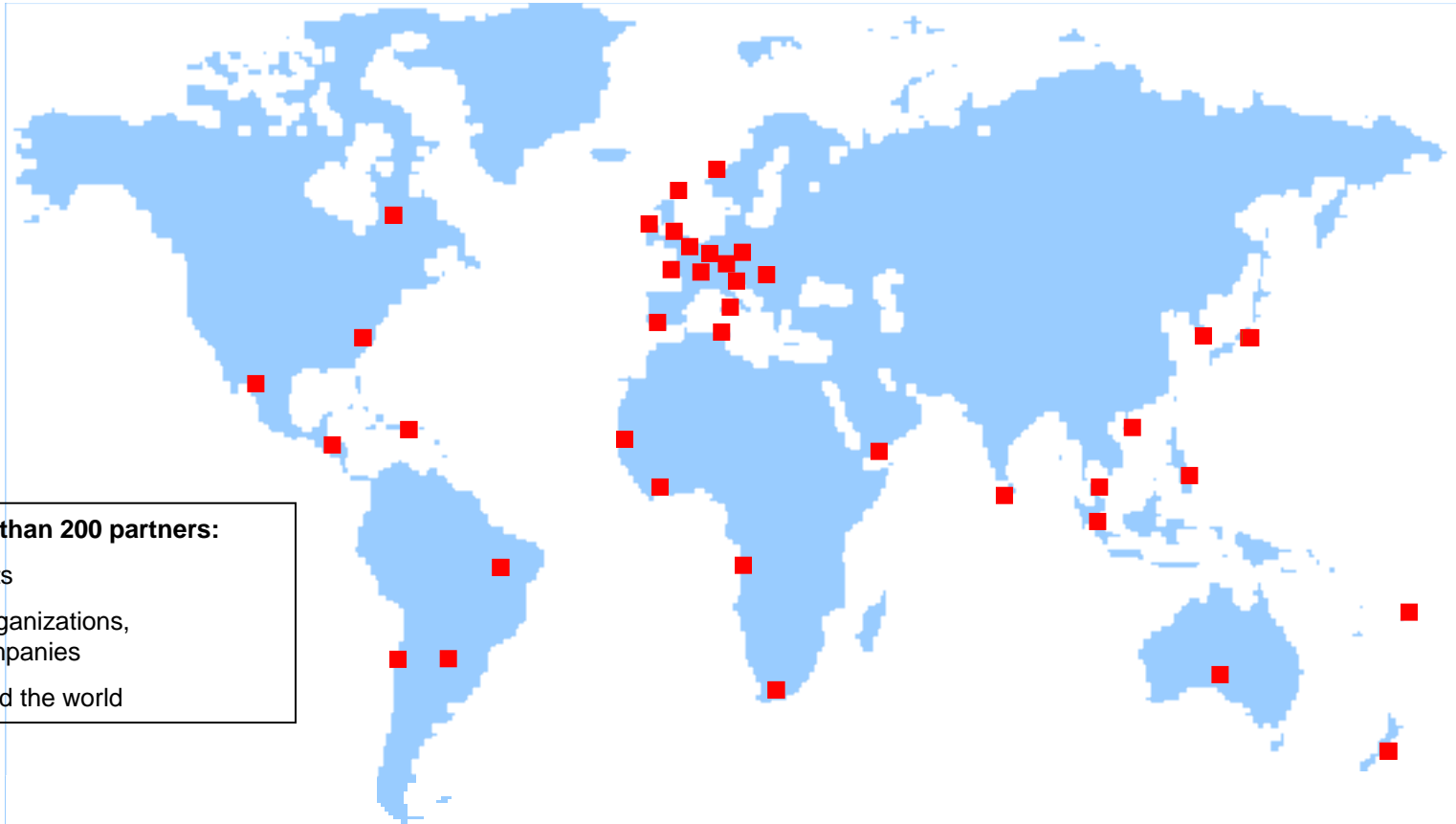
REEEP objectives is to “generate green kilowatts & save energy”



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REEEP Partners are Businesses, the G7 countries, NGOs and Developing Countries



Currently more than 200 partners:

- 36 Governments
- International organizations, NGOs and companies
- 10 offices around the world



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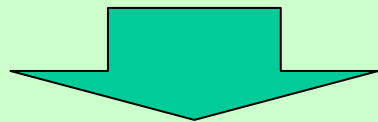


REEEP Activities

96 Regional Projects

Regulatory and
Policy Issues

Innovative Finance



Added Value of REEEP:
Replication
Implementation
Leverage

Services

Information
Gateway
("reegle")

Training
Database

Awareness
Raising

Toolkits

Strategic Activities

REIL

EE Workshops

REEEP Voluntary
Carbon Offset Scheme

RE-EX

SERN



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REEEP's Strategy on Energy Efficiency in Buildings

- At least one third of projects funded by REEEP are addressed to EE in buildings
- Focus on residential and commercial buildings in developing countries and countries in transition
- Targeted end-uses:
 - **Building envelopes**
(insulation, energy efficient windows)
 - **Domestic & office appliances and building services equipment**
(cooking, lighting, motors, passive solar use and solar water heaters)
 - **Behavioural changes** leading to more efficient use of energy in buildings.

Cooperation with Partners: IEA, EURIMA, NAIMA, CLASP, ICLEI



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REEEP Bridges the Gap between Political Measures and Commercial Implementation

- Assisting governments and local authorities in effective implementation of existing EE regulations for buildings (building codes)
- Assisting authorities in the development of new policy frameworks and support schemes for EE in buildings
- Developing model building energy performance standards and codes and global sharing of best practice
- Developing innovative mechanisms for financing EE projects in buildings
- Awareness raising in the policy and finance sector



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REEEP Blueprints for EE Finance

- Develop ESCOs
 - India: street lighting
 - South Africa: urban housing
 - Central America and Mexico: industrial and commercial sectors
 - Poland : development of financing schemes for the engagement of ESCOs in hospital EE projects
- Establish finance facilities
 - Brazil: Equity Fund
- Increase awareness in the finance sector
 - Energy Efficiency Investment Forum
- Accelerate carbon trading



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REEEP Blueprints for EE Policy

- Support Policy Implementation
 - Russia, CEE countries: facilitate legislation
 - Ghana: implementation of labeling and standards
 - China: development of policy recommendations for low energy building program based on international best practices
- Provide Access to Information
 - EU, USA, China, India: international law database on EE
 - APEC: globalising Energy Standard Information Systems (ESIS)
- Increase Awareness in the Policy Sector
 - Workshops on energy efficiency in buildings
 - Russia, Kazakhstan: improve compliance with new building codes, provide trainings and resources for designers and architects
- Initiate EE measures in cities



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EE is the Most Important Future "Energy Source"

- Around 40% of the increase in energy demand over the last 20 years was absorbed by energy efficiency measures
- Still, global energy consumption could be reduced by 50%, the building sector consuming more than 40% of energy can be an important driver for these energy reductions
- Energy savings can create a multi-billion Euro market

EE contributes to competitiveness, security of supply and is beneficial to the environment



renewable
energy
exchange

"clean energy through quality investments"

A strategic project of
reep
with support from the
DEG

The Renewable Energy Exchange (Asia) Private Ltd (REEX)

- Aim
 - To address the gap between project developers who see no sources of finance and financiers who see no source of bankable projects
- Structure
 - Single point of delivery for a professionally prepared and monitored project portfolio and an active group of investors

WWW.REEXASIA.COM

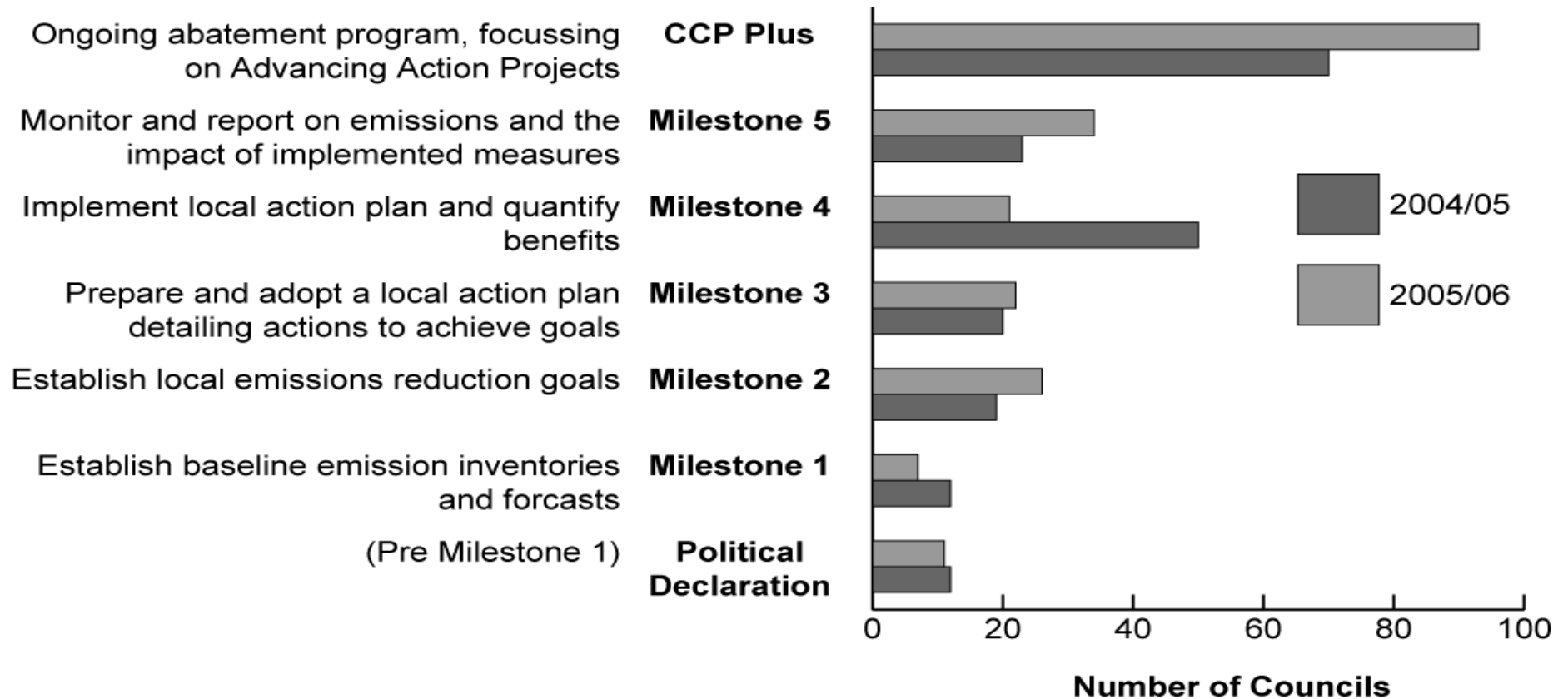


Cities for Climate Protection Australia

- **Cities for Climate Protection® (CCP®) Australia:** implementing greenhouse action through a collaboration between the Australian Government and ICLEI Oceania. CCP is an international ICLEI campaign that motivates and empowers local governments worldwide to reduce greenhouse gas emissions.
- **Participation and Milestone Achievements**
- **221 CCP council participants Australia-wide, representing over 82% of the population.**



CCP Milestone framework



Australian CCP councils save 2.9 million tonnes of CO₂e in 2005-06

2.9 million tonnes CO₂e abated – equivalent to taking 725,000 cars off the road for one year.

8.8 million tonnes CO₂e abated since start of CCP Australia program in 1997 – equivalent to taking 2.2 million cars off the road for one year.

Over \$27 million invested by councils and external funding, and at least \$13.9 million saved by councils and their community.

In 2005-06 Australian participants reported that energy-efficiency measures saved them at least \$6.3 million in their own operations and saved their communities at least \$7.6 million by reducing their spending on energy.



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