



renewable  
energy  
& energy  
efficiency  
partnership



# UNITED NATIONS COMMISSION ON SUSTAINABLE DEVELOPMENT

**April 30, 2007**

**Partnerships in Action: Solutions to Growing Energy  
Demands**

**The Renewable Energy &  
Energy Efficiency Partnership  
(REEEP)**

Zoe Dawson, North American REEEP Secretariat



renewable  
energy  
& energy  
efficiency  
partnership



## **REEEP - the Renewable Energy and Energy Efficiency Partnership is an international NGO registered in Austria**

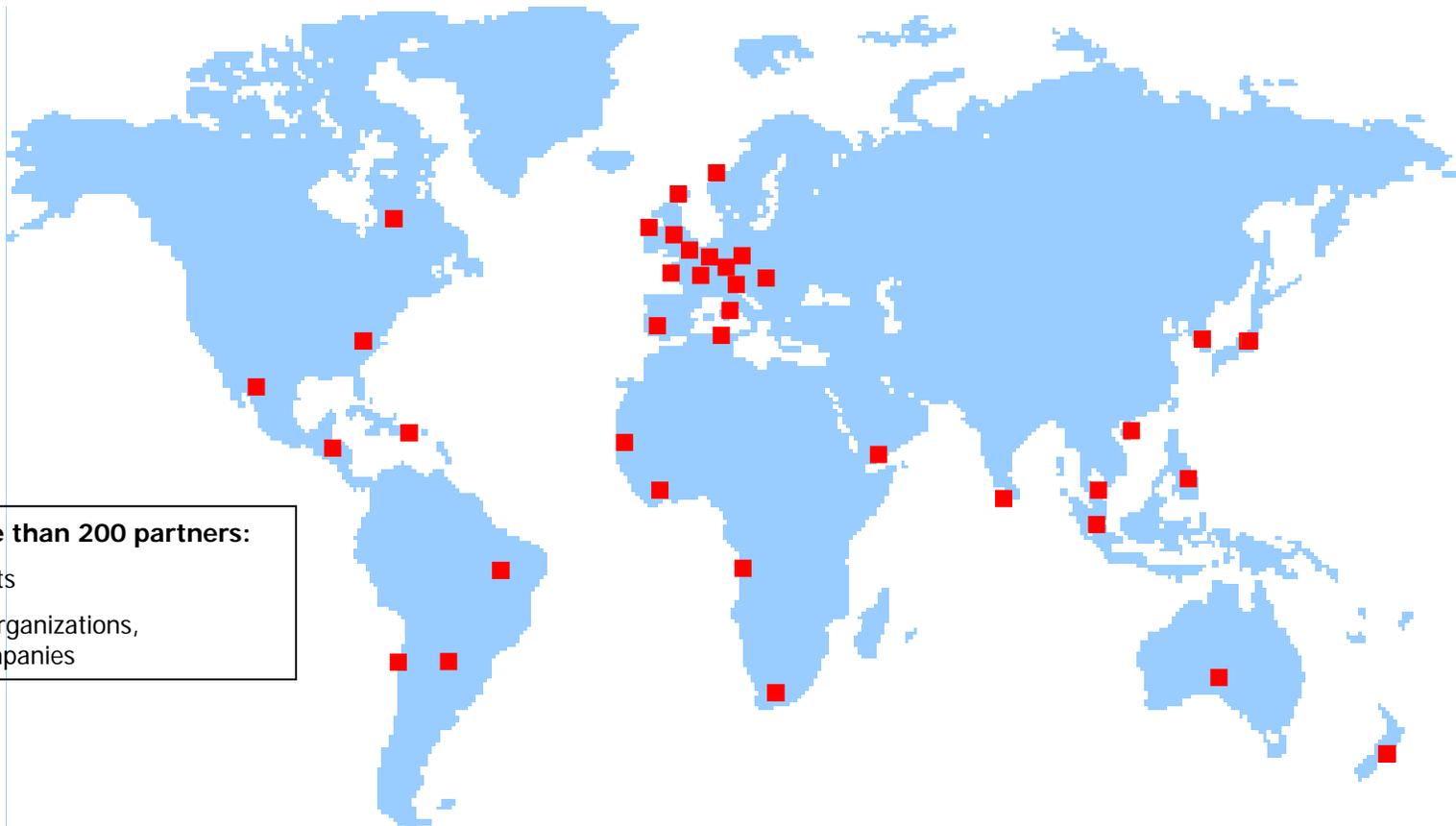
1. REEEP is a global Type II partnership launched by the UK government at the WSSD
2. REEEP currently comprises more than 200 partners representing 36 governments, businesses and NGOs committed to accelerating the uptake of renewable energy and energy efficiency
3. REEEP is funded by the EU and 10 governments: Austria, Australia, Germany, Ireland, Italy, the Netherlands, Norway, Spain, US, and UK, the major donor of REEEP



renewable  
energy  
& energy  
efficiency  
partnership



**REEEP Partners are businesses, the G7 countries,  
NGOs, Brazil, SA, Mexico and developing countries**



**Currently more than 200 partners:**

- 36 Governments
- International organizations, NGOs and companies



renewable  
energy  
& energy  
efficiency  
partnership



## **REEEP’s vision is to make energy systems sustainable “generate green kilowatts & save energy”**

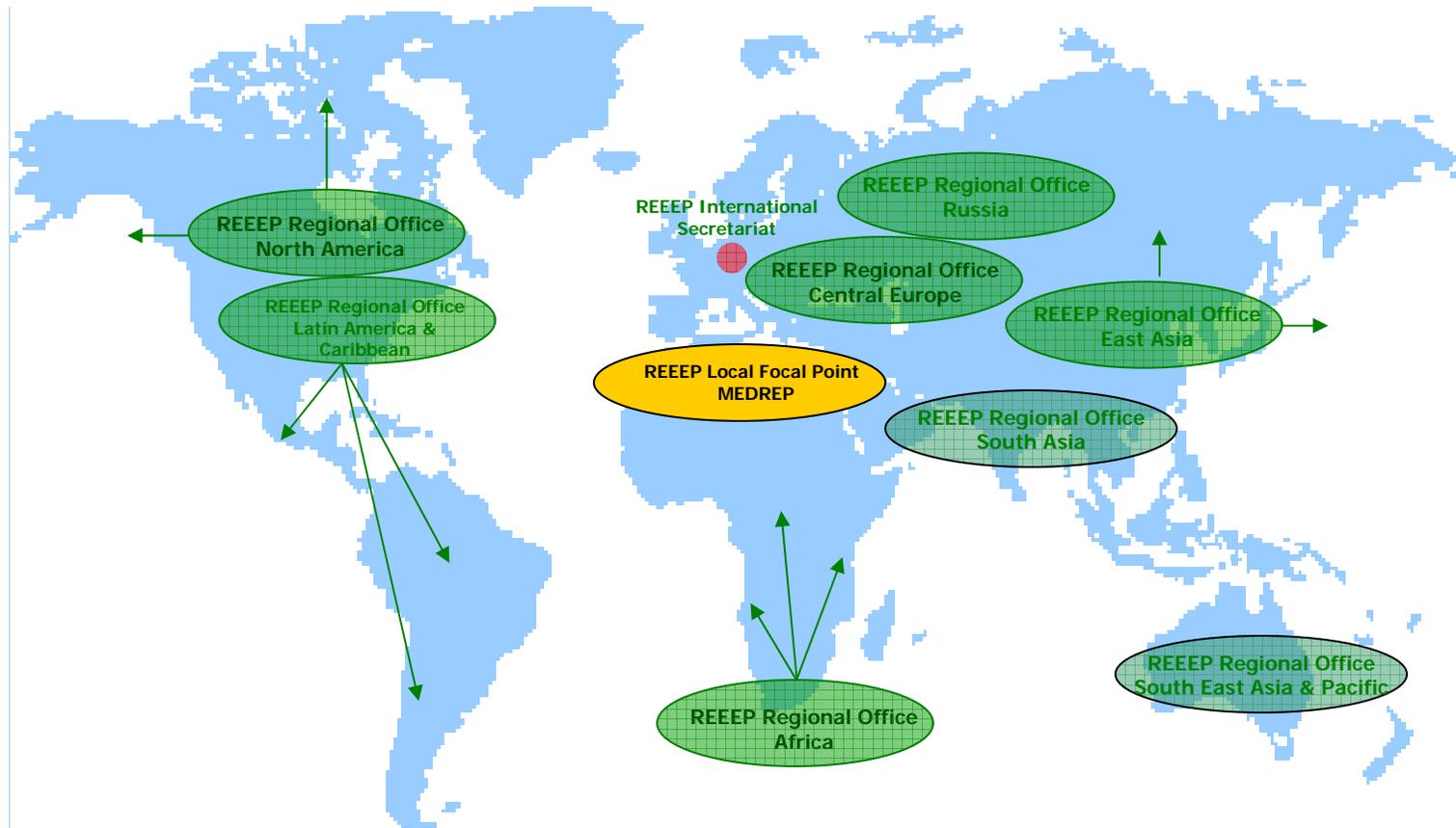
1. REEEP focuses equally on the change in demand and supply side of energy systems towards more sustainability
2. REEEP's vision is to reduce market barriers and financial obstacles for renewables and energy efficiency systems
3. REEEP believes in action on the ground via project activities that are targeted on policy improvements and innovative finance mechanisms
4. REEEP aims to improve access to reliable and clean energy for the poor



renewable  
energy  
& energy  
efficiency  
partnership



## REEEP delivers value via Regional Secretariats





renewable  
energy  
& energy  
efficiency  
partnership



## REEEPs delivers value through service tools

1. **REEGLE/** Join Cooperation with REN21: access to high quality pre-selected data sources – the “Google” for REES [www.reegle.info](http://www.reegle.info)
2. **Voluntary REEEP Carbon Offset Mechanism:** guidance for voluntary carbon offset - First client: FCO
3. **RE-Exchange:** Intermediary bringing investors and project developers together, First implementation: Singapore
4. **SERN:** international policy assessment
5. **REIL:** overcome international legal barriers
6. **Media Coverage:** global coverage – web/publications/print/events



renewable  
energy  
& energy  
efficiency  
partnership



## **REEEP delivers value through projects**

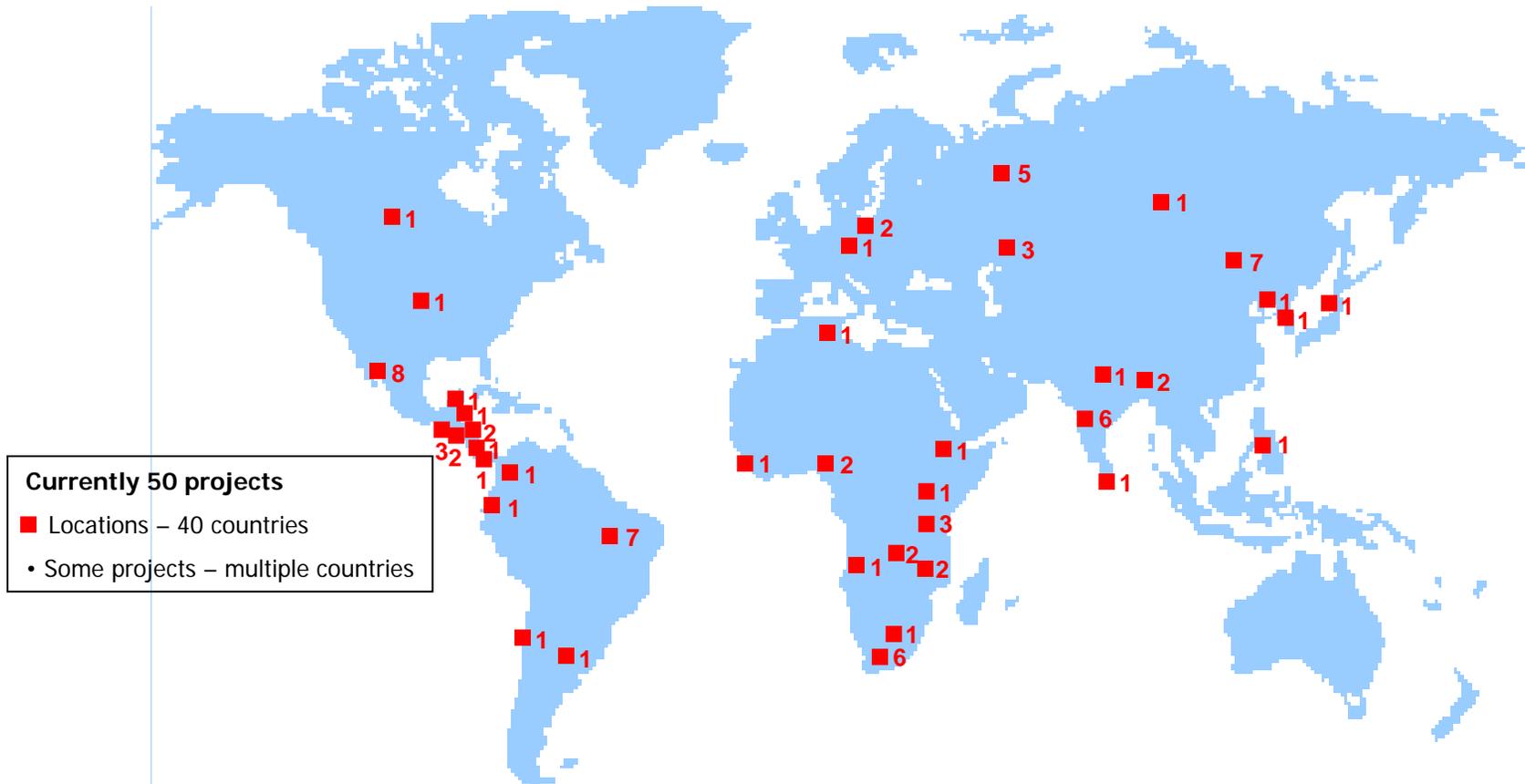
1. Funding successful projects which can be replicated globally and scaled-up
2. The REEEP program is driven by regional demand with priorities developed by REEEP partners through a bottom-up process
3. Emphasis is on impacts rather than on outputs
4. Project progress is monitored professionally to ensure quality deliverables and outputs
5. Global vision with focus on developing and transition countries



renewable  
energy  
& energy  
efficiency  
partnership



## The 50 REEEP projects encourage local initiatives in 40 countries





renewable  
energy  
& energy  
efficiency  
partnership



## Removal of Residential Energy Efficiency Barriers



- Assessment of energy saving potentials to improve institutional and market frameworks that encourage investment in energy efficiency within homes
- 7 cities in 5 countries (Armenia, Bulgaria, Latvia, Poland, Ukraine)
- Case studies on major barriers to residential EE measures and recommendations to key stakeholders in municipalities in each country
- Can serve as a model for municipalities in other transition countries
- Significant job creation potential



renewable  
energy  
& energy  
efficiency  
partnership



## Financial Models for Energy Efficiency in Water Services across South Africa



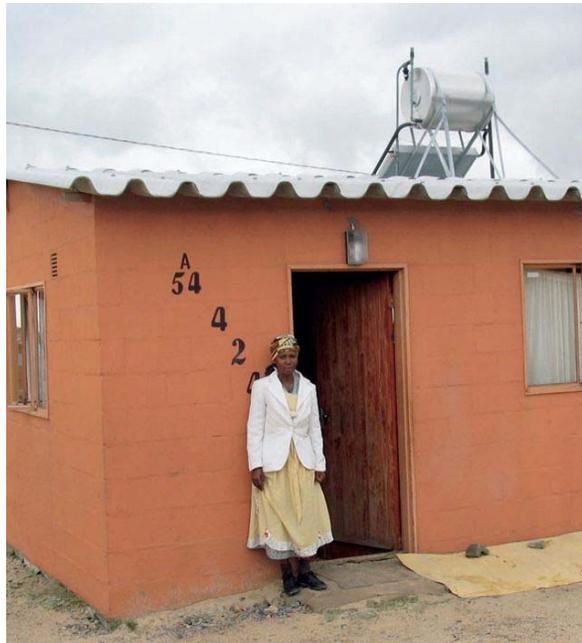
- Identification of financial models to fund energy conservation and case studies based on the experience of the Soweto and Emfuleni municipalities
- Reduce energy costs by \$3.8 million from running systems and saved 14,250 MWh of energy and 7 million kL of water annually
- 7 cities in South Africa
- Can be replicated in any city in developing countries



renewable  
energy  
& energy  
efficiency  
partnership



## Financing Energy Upgrades in South African Low-income Homes



- Development of a background analysis of the needs in low-income housing and of a financial model under CDM
- Reduced costs of €150.000 per year through energy-upgrade of more than 1900 houses with insulated ceilings, solar water heaters and energy-efficient lighting
- Kuyasa district of Cape Town
- Can be replicated in any low-income suburban area in Sub-Saharan Africa
- Can improve living conditions



renewable  
energy  
& energy  
efficiency  
partnership



## Financing Energy-efficient Street Lighting in India



- Development of a business model and financing mechanism for the implementation of street lighting projects
- Targeted reduction of 30-40% in energy consumption for street lighting
- 5 Municipalities in the state of Madhya Pradesh
- Development of standard tender documents for selecting and contracting ESCOs for project implementation and CDM PDD documentation



renewable  
energy  
& energy  
efficiency  
partnership



## Innovative financial model for Solar Water Heating in Latin America and the Caribbean



- Development of business models and fee-for-service guides (ESCO) for Brazil and the Caribbean as well as development of CDM project idea notes
- Utility and ESCO operations projected to reduce energy costs to consumers by 10%, generating internal rates of return of 30% or more
- Educational outreach and capacity building for implementation in 30 countries and territories
- Contributes to economic growth in the region



renewable  
energy  
& energy  
efficiency  
partnership



## Innovative financing scheme for energy efficiency in public buildings in Santiago de Chile and other Chilean Cities



- "Energy Saving Partnership" between Berlin and Santiago de Chile
- Twinning of cities for the development of energy service projects in 2 public hospitals
- Strategy paper on frame conditions, barriers to energy services and recommendations for the national energy efficiency policy
- Replicable information material on national specific conditions; reduction of transaction costs



renewable  
energy  
& energy  
efficiency  
partnership



## **REEEP's current call for proposals = €3 million - the largest call in REEEP's history**

- 1. Donors :** Norway, UK, Ireland, Italy, New Zealand
- 2. Target countries:** Developing countries and emerging markets with focus on China, India, Brazil
- 3. Number and volume of projects:**  
30 projects/100,000 €with a maximum duration of 2 years
- 4. Schedule of the Call:**
  - 1.3. 2007 Announcement
  - 1.7. 2007 Signing of project contracts

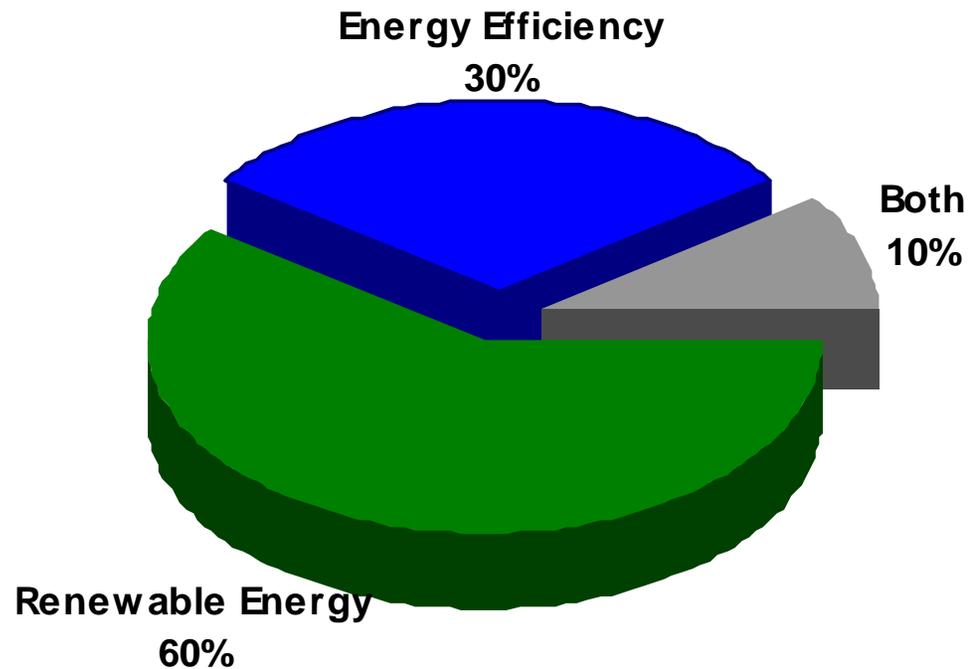


renewable  
energy  
& energy  
efficiency  
partnership



## Future focus: energy efficiency to balance REEEP's portfolio

Status as of January 2007





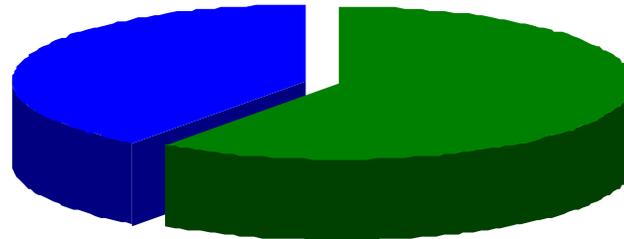
renewable  
energy  
& energy  
efficiency  
partnership



## Future projects: Innovative finance solutions & business models

Status as of January 2007

Financing  
40%



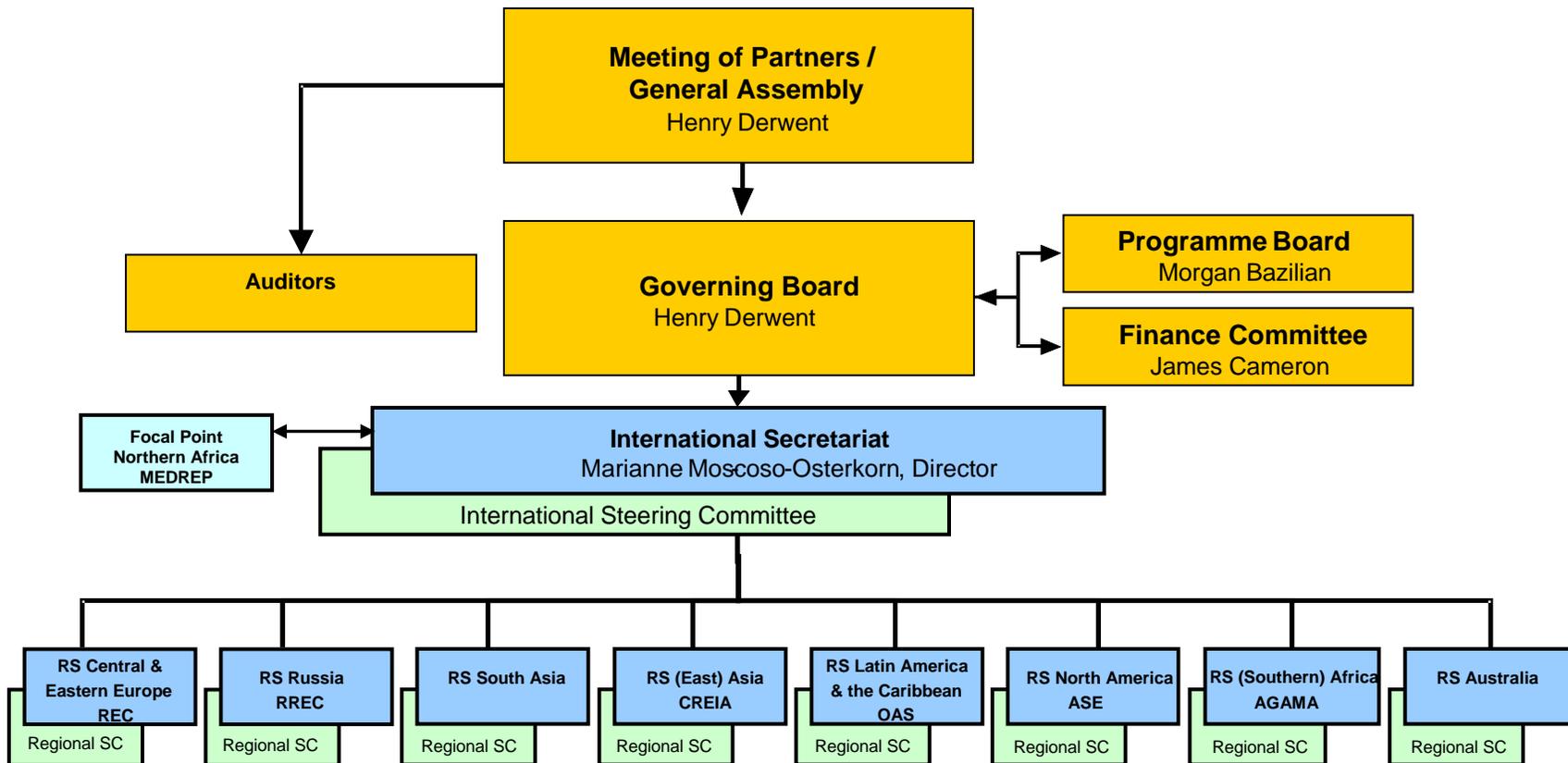
Policy/Regulation  
60%



renewable  
energy  
& energy  
efficiency  
partnership



## REEEP internal structure guarantees good governance





renewable  
energy  
& energy  
efficiency  
partnership



## Leveraging existing Partnerships

REEEP intends to work with established partnerships across the sustainable energy sector.

These partnerships can provide complementary services and skills to the REEEP network. Examples:

ASEAN

GNESD

MEDREP

Business Councils

GVEP

UNIDO

CTI

IEA

US Clean Energy Initiative

CLASP

JREC

WWF

E-Parliament

LEADS

REN 21



renewable  
energy  
& energy  
efficiency  
partnership



## REEEP generates synergies with Partners

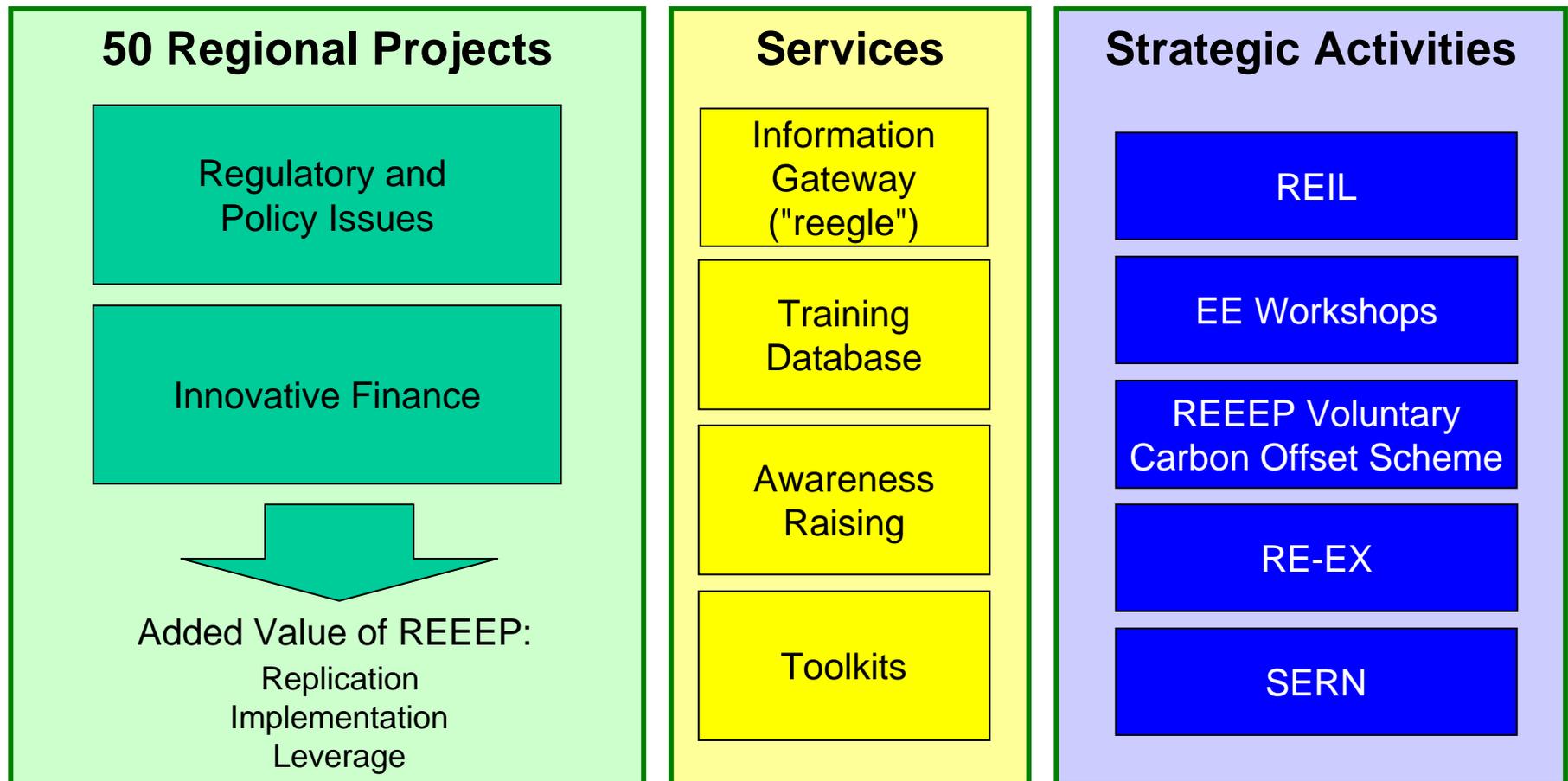
 ASEAN	 CLASP	 CTI CLIMATE TECHNOLOGY INITIATIVE
 e-Parliament democracy for humanity	 GNESD GLOBAL NETWORK ON ENERGY FOR SUSTAINABLE DEVELOPMENT Facilitated by UNEP	
 GVEP	 AIE	 JREC
 MEDREP Mediterranean Renewable Energy Partnership	 REN21 Renewable Energy Policy Network for the 21st Century	
 UNIDO	 The U.S. Clean Energy Initiative Powering Sustainable Development from Village to Metropolis	 WWF for a living planet™
 NAIMA NORTH AMERICAN INSULATION MANUFACTURERS ASSOCIATION	 EURIMA EUROPEAN INSULATION MANUFACTURERS ASSOCIATION	



renewable  
energy  
& energy  
efficiency  
partnership



## REEEP Overview





renewable  
energy  
& energy  
efficiency  
partnership



## Future priorities of REEEP

1. Attract long term funding through "convincing" actions
2. Promote REEEP "products" that are self-sustaining
3. Consolidate and empower the regional secretariats network for local need assessment and delivery
4. Build capacity from existing projects in order to 'scale-up' and replicate experiences in other markets
5. Increase synergies through collaboration with key initiatives and institutions
6. Increase the active engagement of existing Partners



renewable  
energy  
& energy  
efficiency  
partnership



**REEEP International Secretariat  
Vienna International Centre**

**Vienna, Austria**

**[info@reeep.org](mailto:info@reeep.org)**

**+43 1 26026 3425**

**[www.reeep.org](http://www.reeep.org)**

**[www.reegle.info](http://www.reegle.info)**