Community Solutions for Energy Access

The GEF Small Grants Programme

July 2016

Agenda

- About Small Grants Program
- Contributing to Achievement of SDGs
- Lessons Learned
- Way forward: Innovation, Scalability and Sustainable Development Benefits

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About SGP

✓Established in 1992, implemented by UNDP, funded by the GEF.

✓Community focus: “thinking globally, acting locally”.

✓Supports the projects that conserve and restore the environment while enhancing people’s well-being and livelihoods.

✓Invested over $ 450million and leveraged

Strategic Approach

Contribute to satisfying global demand for energy services for people without access to electricity and those that still rely on traditional biomass for cooking.

SDG Report 2016:

- 1.1 billion people without the electricity
- 405 of the world's people still rely on polluting and unhealthy fuels for cooking

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Energy/Climate Change Portfolio

✓Since inception SGP cumulatively supported more than 4,300 community-based Climate Change Mitigation projects.

✓Investment totaling $ 127,333,404 million, leveraging a further $ 164,611,243 million in co-financing.

✓Majority of projects (around 60%) focused on community solutions for providing access to renewable energy and energy efficient technologies.

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Project Typology

Renewable Energy

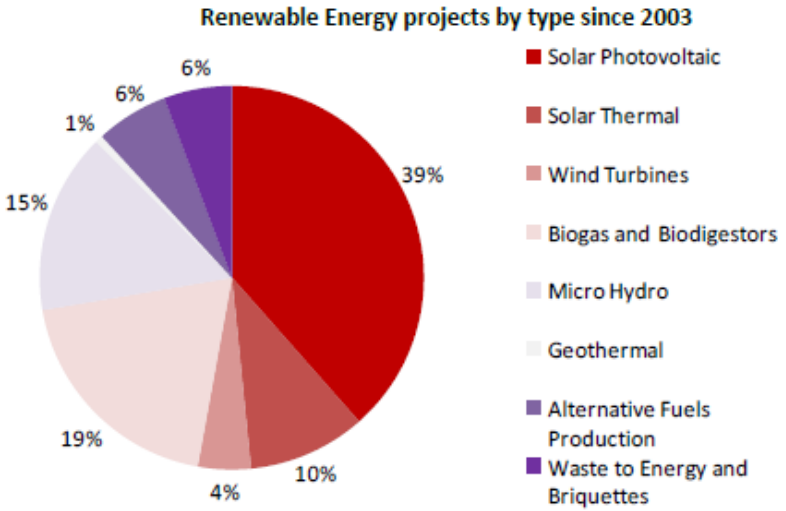
Percentage of the portfolio: 33%

Number of projects since 2003: 787

SGP Contribution since 2003: $22.5 million

Typology of projects:

- Solar Photovoltaic
- Solar Thermal
- Wind Turbines
- Biogas
- Micro Hydro
- Geothermal
- Alternative Fuels
- Waste to Energy



Energy Efficiency

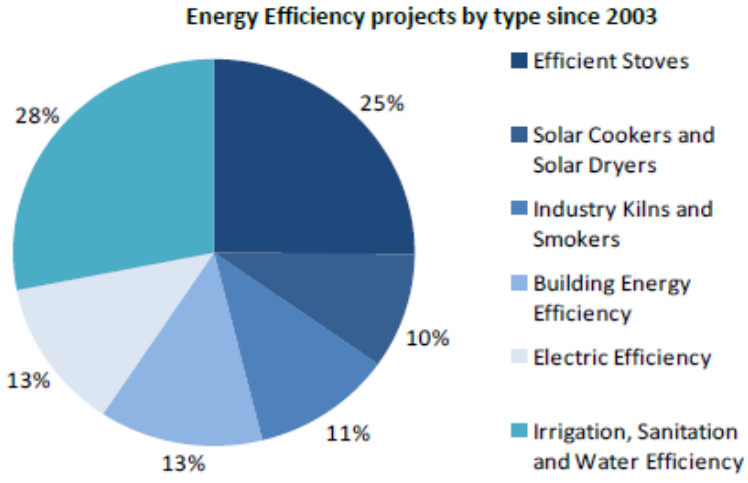
Percentage of the portfolio: 27%

Number of projects since 2003: 644

SGP Contribution since 2003: $18 million

Typology of projects:

- Efficient Cook Stoves
- Solar Cookers and Solar Dryers
- Industry Kilns and Smokers
- Building Energy Efficiency
- Irrigation, Sanitation and Water Efficiency
- Electric Efficiency



Community Solutions- Africa

Renewable energy for community needs and productive activities in Cape Verde:

- Hybrid wind and solar energy production and distribution system for a rural community with participatory management: 17 families benefited, energy cost for families is 33% of that in the city

- Photo-voltaic system for drip irrigation:100 farmers benefited, water bill decreased by 92%, income growth up to $17,180/year.

Community Solutions – Europe

PV and solar hot water systems and EE improvement measures in buildings in Armenia:

- Multi-apartment buildings, family houses;
- Medical facilities, kindergartens, sports and boarding schools, etc.
- Community-managed PAs and visitors/lodging centers
- $5,000 saved annually as a result of reduced gas (≤65%) and electricity (≤60%) consumption.

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Innovative Community Solutions - Latin America and Caribbean

- Solar electrification: 12 social institutions, 9 communities (230 households)– Cuba
- Small hydro: 4 communities (536 families) – Cuba; 35 installed and 20 under implementation (3,800 and 1,500 households) - Dominican Republic
- Wind energy: water supply to 33 communities – Cuba
- Conservation of 7,000 ha of forest and watersheds- Dominican

Capturing Co-benefits

- SGP will focus more rigorously on measuring social, economic and environmental co-benefits of energy access investment
- Annual co-benefits, Jordan, US$158,926 (SGP grant $23,000): $11,520- employment, $69,548 - financial savings, $61,177- time savings, $16,681- estimated benefits of forest conservation.
- Cumulative impact, Dominican Republic, 37 community micro-hydro since 1997: $7,891,280 - employment, financial savings and biodiversity

Lessons Learned

- Community leadership, ownership and sustainability mechanisms.
- Affordable innovative community technologies adapted to local conditions and implemented by grassroots and civil society organizations.
- Integrated solutions going beyond energy sector contribute to climate change mitigation, increase resilience, reduce poverty, promote social inclusion and improve livelihoods.
- Bottom-up solutions aligned with larger frameworks (NDCs, SE4ALL) and scaled up.

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Way Forward: Approach and Recommendations

- Catalytic financing for community technologies (small hydro, solar, biomass, bioenergy, efficient stoves, etc.)- innovation focus and scaling up integrating in larger frameworks
- Integrated approach aiming at increasing climate resilience, reducing poverty, enhancing gender equality and achieving the SDGs and focus on capturing related indicators
- Sustained capacity development efforts enabling the communities to develop and use innovative technologies.

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Thank You!

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