

World GREEN ENERGY FORUM 2012

Gyeongju City, Republic of Korea

18 October 2012

Reducing Energy Poverty: *Challenges and Efforts*

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Sustainable Energy: An Essential Factor for Sustainable Development

- Essential for alleviating poverty, improving human welfare and raising living standards
- Necessary to achieve the Millennium Development Goals
- Transformation of global energy system necessary to reduce climate change impacts, satisfy increasing energy demand and increase efficient use of natural resources
- New and renewable energy technologies to induce a paradigm shift towards Green Economies and ultimately Sustainable Development

Over a Third of World Population is Without Access to Sustainable Energy

- 2.7 billion depend on solid unsustainable biomass for cooking
- 1.3 billion without electricity
- 84% live in rural areas
- Largest shares are in Sub-Saharan Africa and Asia



Major Challenge: Ending Energy Poverty

- Lack of or insufficient commercial energy use is correlated with high infant mortality, illiteracy, and low life expectancy



- 1.45 million premature death every year due to household indoor pollution
- 4,000 deaths per day

Major Efforts to End Energy Poverty

- National efforts
- Public-private partnerships
- International efforts
- North-South cooperation
- South-South cooperation
- UN organizations
- “Sustainable Energy for All,” the UN initiative of the Secretary-General
- 2012 International Year of Sustainable Energy for All

Sustainable Energy for All

- Three objectives to be reached by 2030
- Universal Energy Access
- Doubling the global share of renewable energy
- Doubling the rate of improvement on energy efficiency



Sustainable Energy for All

- Vision Statement
- High-Level Group
- Framework for Action
- Communication Strategy
- Task Forces to design strategy for each objective
- Global Action Agenda



Sustainable Energy for All

Voluntary Commitments at Rio+20 and Beyond

- Businesses and investors committed over \$50 billion
- European Union funding the “Energizing Development” initiative to provide access to 500 million people by 2030 (\$60 million for next two years)
- More than 60 countries have signed to participate
- Tens of billions of dollars committed by other stakeholders – multilateral development banks, international organizations, civil society and governments
- 21 Small Island Developing States agreed to work towards universal access and increase renewable energy use
- More than a billion people expected to benefit from these commitments

Sustainable Energy for All

Voluntary Commitments

- Norway committed \$140 million through the Energy+ programme for energy and climate programmes
- The US announced \$40 million to ensure that the Clean Energy Ministerial initiatives reach global scale
- The OPEC Fund committed \$1 billion for its “Energy for the Poor” initiative
- The Abu Dhabi Fund for Development is providing \$350 million for renewable energy projects approved by IRENA
- The Climate Works Foundation pledged up to \$15 million for implementation of efficiency and renewable energy policies in India, China, Brazil and Mexico

Financial Institutions

- The World Bank doubling the leverage of its portfolio to \$16 billion
- International Finance Corporation expanding programmes such as “Lighting Africa” to cover 70 million households by 2020
- The African Development Bank to invest \$20 billion in energy by 2030
- The European Bank for Reconstruction and Development committed \$8 billion in energy efficiency projects in Eastern Europe and Central Asia
- The Inter American Development Bank committed \$5 billion to energy related work in Latin America and the Caribbean

United Nations Organizations

- UNDP
- UNEP
- ECA
- ECE
- ESCAP
- WHO
- WMO
- FAO
- UNDESA

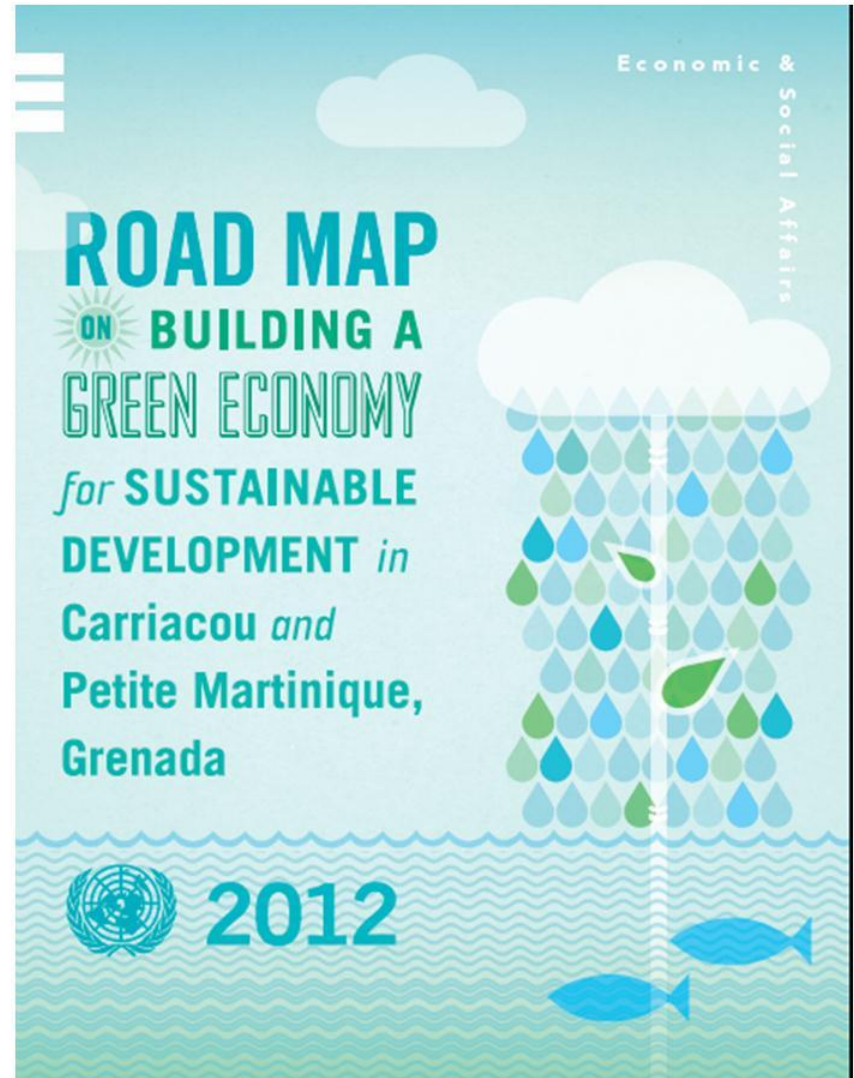


UN Department of Economic and Social Affairs (UNDESA)

- Promoting the development of Road Maps for inducing national transformations towards Green Economies that can support Sustainable Development
- Started a partnership to provide Minimum Electricity Access to poor isolated rural communities
- Starting a partnership for the development of comprehensive country assessments supporting energy systems for sustainable development including demand and supply scenarios for the long term
- Supports UN-Energy as the Secretariat
- Supports the activities of the UN SG's initiative on Sustainable Energy for All

National Road Maps on Greening the Economy

- The need to “Lead By Example”
- Island as Microcosms
- Small Island Developing States (SIDS)
- Major development blocks
- Energy
- Water
- Education
- Transport
- Environment
- Agriculture, fisheries and food security



Minimum Electricity Access

Min-E Access Partnership

- Providing access to poor rural isolated communities
- A wireless power revolution to follow the wireless phone revolution
- Using pico solar and wind systems
- Three main areas for capacity building: empowerment, entrepreneurship and education
- Pilot countries in Africa, Asia and South America



Sustainable Energy for All

The Way Forward

- A new phase in the implementation process of Sustainable Energy for All
- A Special Representative and Chief Executive
- An Advisory Board
- Vice Chairs: SG of United Nations and President of the World Bank
- An Executive Committee
- A distributed Global Network
- Recommendation to designate the Decade of Sustainable Energy for All

Conclusions

- A transformation of the global energy system is urgent
- Many efforts at national and international levels are under way
- Many commitments were made during the Rio+20 Conference and continue through the year
- The UN SG's initiative on Sustainable Energy for All is already proven to be effective and is moving forward the necessary transformation of the global energy system
- Nevertheless, Energy Poverty persists in many parts of the world
- Much more cooperation is necessary to induce a paradigm shift towards Green Economy, Poverty Eradication and ultimately Sustainable Development

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Thank You!

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