

SUSTAINABLE ENERGY FOR ALL

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Sustainable Energy for All Initiative

2014-2024 UN decade of SE4ALL Three objectives:

- Universal access to modern energy by 2030
- Doubling of rate of energy efficiency gains
- Doubling the renewable energy share IRENA is the hub for renewable energy: translate REmap into action

Chaired by UN SG and President of World Bank Global Facilitation Team IRENA DG Adnan Amin co-chair of RE Committee

A public-private partnership (governments, finance institutions equipment manufacturers, utilities, international organizations NGOs, foundations)

TEM Bonn



One Goal: SE4ALL and Three Inter-related Targets by 2030 Linkages to Other Key Sectors – Importance of Country- Driven Integrated Approaches and Partnerships

Energy Cuts Across Sust Devt. Issues

Achieving the three targets of SE4ALL Sustainable Energy for All...

... makes many development goals possible



Ensuring universal Access to Modern Energy Services

- Improved health
- Improved agricultural productivity
- Empowerment of women
- Business and employment creation
- Economic development
- Achievement of the MDGs and SDGs

Doubling the share of **Renewable Energy** in global energy mix

- Affordable energy even where grid does not reach - Access
- New opportunities for small entrepreneurs –
 Economic Inclusivenes
- Decreased variability in energy costs – Energy Security
- Energy security and reduced import bills
- Reduced environmental impacts including CC



Doubling the global rate of improvement in **Energy Efficiency**

- Lighting / appliances that require less power
- Fossil fuel resources used more effectively
- Reduced energy costs for consumers
- Redistribution of electricity that now is wasted or lost
- More reliable electricity systems
- More efficient use of resources



Sustainable Energy for All initiative A Global Platform for Partnerships

All parties must act...

Public Sector providing Enabling environment/ Derisking

National governments Public institutions Cities and municipalities Multilateral organizations Bilateral development partners

Businesses providing Finance and know -how

Energy companies Equipment suppliers Financial players All companies making their Operations and supply chains more efficient

Civil society

NGOs Academic institutions Individuals Civil society becoming involved by training people, offering Technical expertise **Global Action Agenda,** with a set of Action Areas, will facilitate dialogues and guide action towards SE4ALL goal globally

...and work together to realize a world with Sustainable Energy for All

Country Action to accelerate progress toward nationallytailored sustainable energy for all objectives, based on country's own action plans and programmes

Energy efficiency

Monitoring and Progress Tracking

Renewable

energy

to recognize achievements, share lessons and track progress on goals – seeing what works High-impact opportunity initiatives and Renewable Energy Committee to mobilize multi-stakeholder partnerships, commitments and investment linked to key Action Areas



Catalyzing Country-Driven Action Current Status



- More than 80 developing countries already involved spanning four continents – a large number of partners now engaged – implementation starting in many countries across the developing world
- Streamlined process to catalyze action: gap analysis, creation of national Action Agendas (that include support for the improvement of enabling environment and capacity building) and Investments Prospectuses, implementation, monitoring

Outcomes Expected

- Scaling up of investment through public-private partnerships
- Helping realize the potential across the three targets Access renewables as well as energy efficiency

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SE4ALL A Platform for Collaborative Action

- Most countries have on-going energy plans/strategies = the rapid assessment/gap analysis is meant to identify action/investments/and other implementation and scaling up needed to reach objectives by 2030
- Many have undergone power sector reforms; and have targets e.g. in electricity/building standards codes, transport energy efficiency codes, etc.
- Many have started design of Nationally Appropriate Mitigation Actions (NAMAs of UNFCCC)
- Many are already participants of major international initiatives (SREP, Energy+, US Partnership for Renewable Energy Finance, etc.)
- SE4ALL offers a platform for partnerships collaborative action and leverage by all of these in support of the three goals

FOR ALL

 SE4ALL is designed to mobilize global support for national action plans designed by countries according to their circumstances and priorities SUSTAINABLE



Overall share of renewable energy has remained quite flat, albeit some sources grew exponentially from a small base



SOURCE: IEA 2012A.

NOTE: TFEC = TOTAL FINAL ENERGY CONSUMPTION; RE = RENEWABLE ENERGY.

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Traditional biomass accounts for over half of renewable energy, mainly for heating and cooking





Progress of the last 20 years has only kept slightly ahead of huge growth in population and energy demand



Starting point for SE4ALL goals can be established on this basis

Percent	Universal access to modern energy services		Doubling global rate of improvement of energy efficiency	Doubling share of renewable energy in global energy mix
Proxy indicator	Percentage of population with electricity access	Percentage of population with primary reliance on non-solid fuels	Rate of improvement in energy intensity	Renewable energy share in TFEC
1990	76	47	-1.3	16.6
2010	83	59		18.0
2030	100	100	-2.6	36.0



Global models show that business as usual falls well short of where we need to be by 2030





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