

SUSTAINABLE ENERGY FOR ALL

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One Goal: Achieving Sustainable Energy For All and Three Targets by 2030

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
- New opportunities for small entrepreneurs
- Decreased variability in energy costs
- Energy security and reduced import bills
- Reduced environmental impacts



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



Sustainable Energy for All initiative Key components

All parties must act...

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

Governments

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

Businesses

Energy companies Financial players All companies

Civil society

Organization Academic institutions Individuals **Global Action Agenda,** with a set of Action Areas, will facilitate dialogues and guide action towards SE4ALL goal globally

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

High-impact opportunity initiatives to mobilise multistakeholder partnerships, commitments and investment linked to key Action Areas

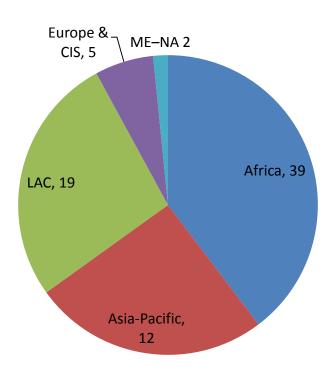
Monitoring and Progress Tracking to recognize achievements, share lessons and track progress on

goals



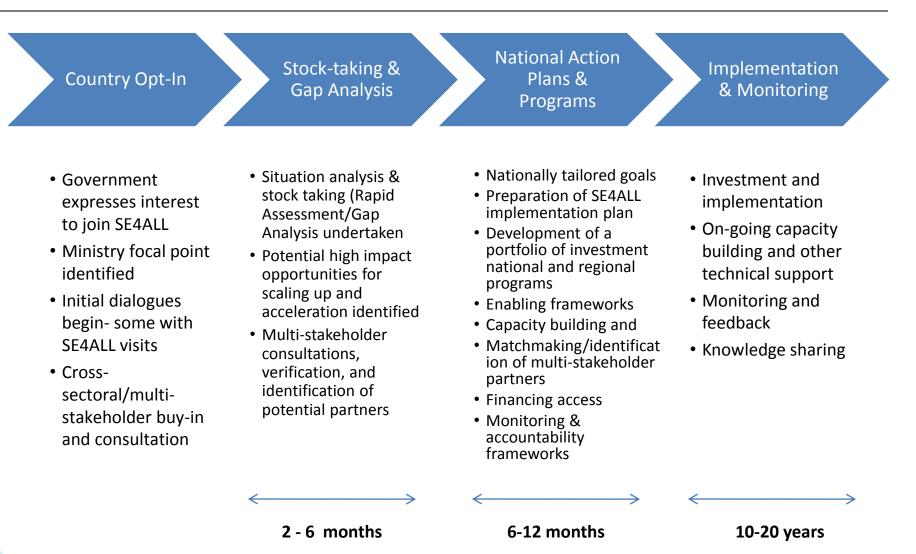
Country Action Current Status

- 77 countries have now formally joined – more in pipeline -
- 40 Rapid Assessment studies done or in process – basis for next step – action plan preparation
- Several donors, international institutions and businesses already committed
- Implementation Phase to begin in mid 2013 – now - for a long term commitment





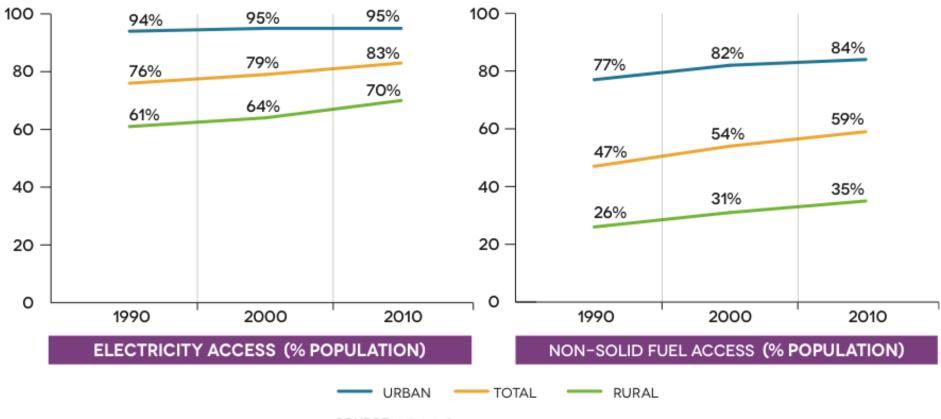
SE4ALL Country Action Process







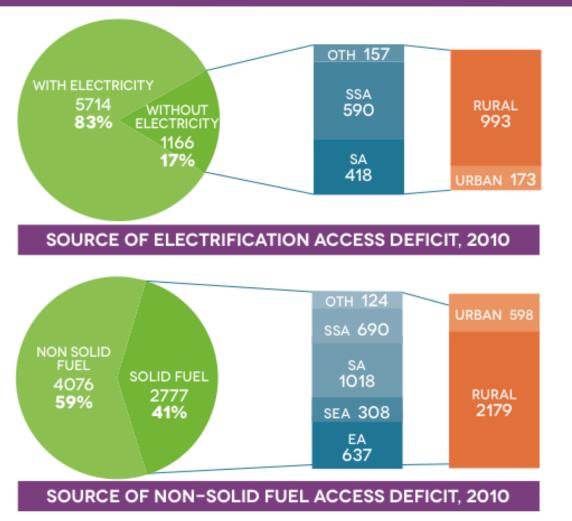
Access to modern energy rose slightly driven by increase in rural access rate and strong growth in Asia



SOURCE: WB, WHO



Still, 1.2 billion people live without electricity and 2.8 billion cook with solid fuels



SOURCE: WB, WHO

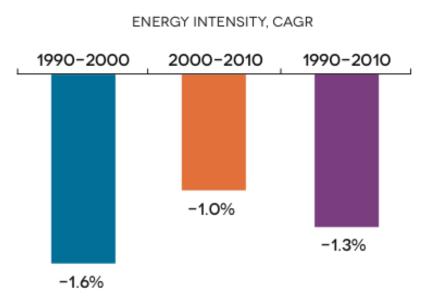
NOTE: ACCESS NUMBERS IN MILLIONS OF PEOPLE. EA = EASTERN ASIA; SEA = SOUTH-EASTERN ASIA; SA = SOUTHERN ASIA; SSA = SUB-SAHARAN AFRICA; OTH = OTHERS.





ENERGY EFFICIENCY

Steady but decelerating gains in energy intensity globally



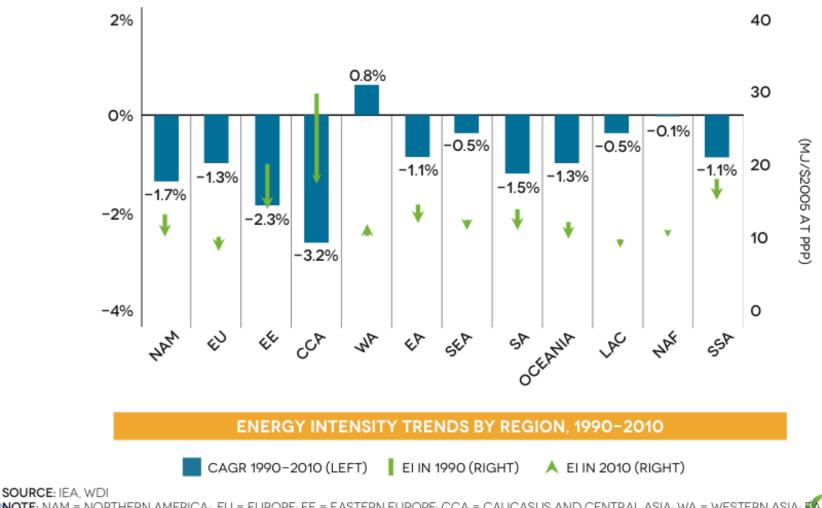
RATE OF IMPROVEMENT IN GLOBAL ENERGY INTENSITY, 1990-2010 (PPP TERMS)

SOURCE: WB, WHO, IEA

NOTE: PPP = PURCHASING POWER PARITY; CAGR = COMPOUND ANNUAL GROWTH RATE. "ADJUSTED ENERGY INTENSITY" IS A MEASURE DERIVED FROM THE DIVISIA DECOMPOSITION METHOD THAT CONTROLS FOR SHIFTS IN THE ACTIVITY LEVEL AND STRUCTURE OF THE ECONOMY.



Rate of improvement of energy intensity varies substantially across regions

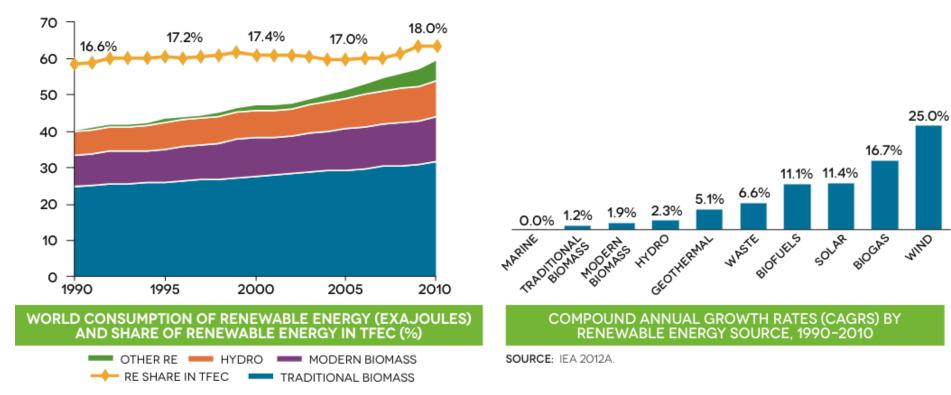


NOTE: NAM = NORTHERN AMERICA; EU = EUROPE; EE = EASTERN EUROPE; CCA = CAUCASUS AND CENTRAL ASIA; WA = WESTERN ASIA; EA





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

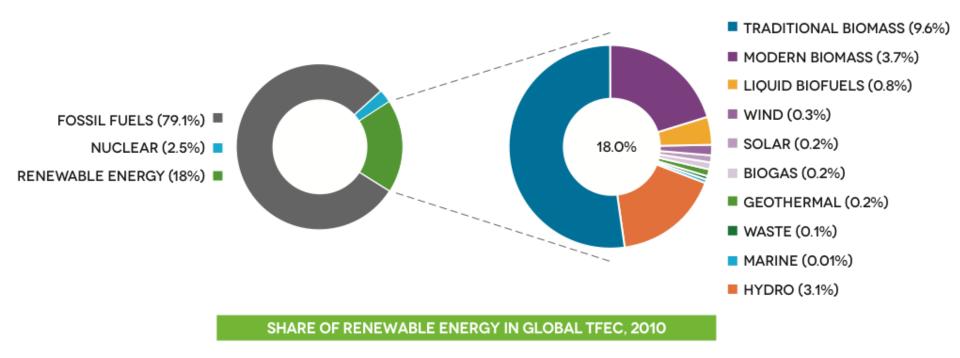


SOURCE: IEA 2012A.

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



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

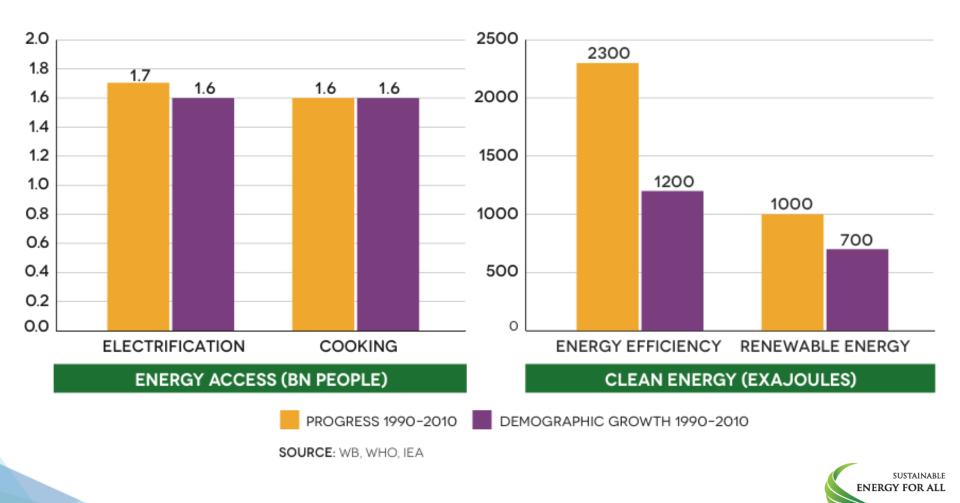




SOURCE: IEA



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

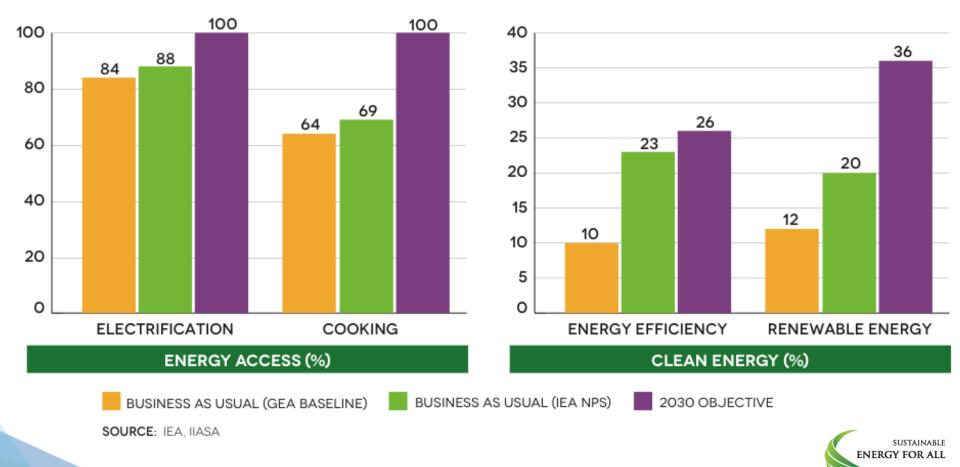


Starting point for SE4ALL goals can be established on this basis

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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