

# Sustainable Energy for All (SE4ALL)

27/11/12

Paris



SUSTAINABLE  
ENERGY FOR ALL



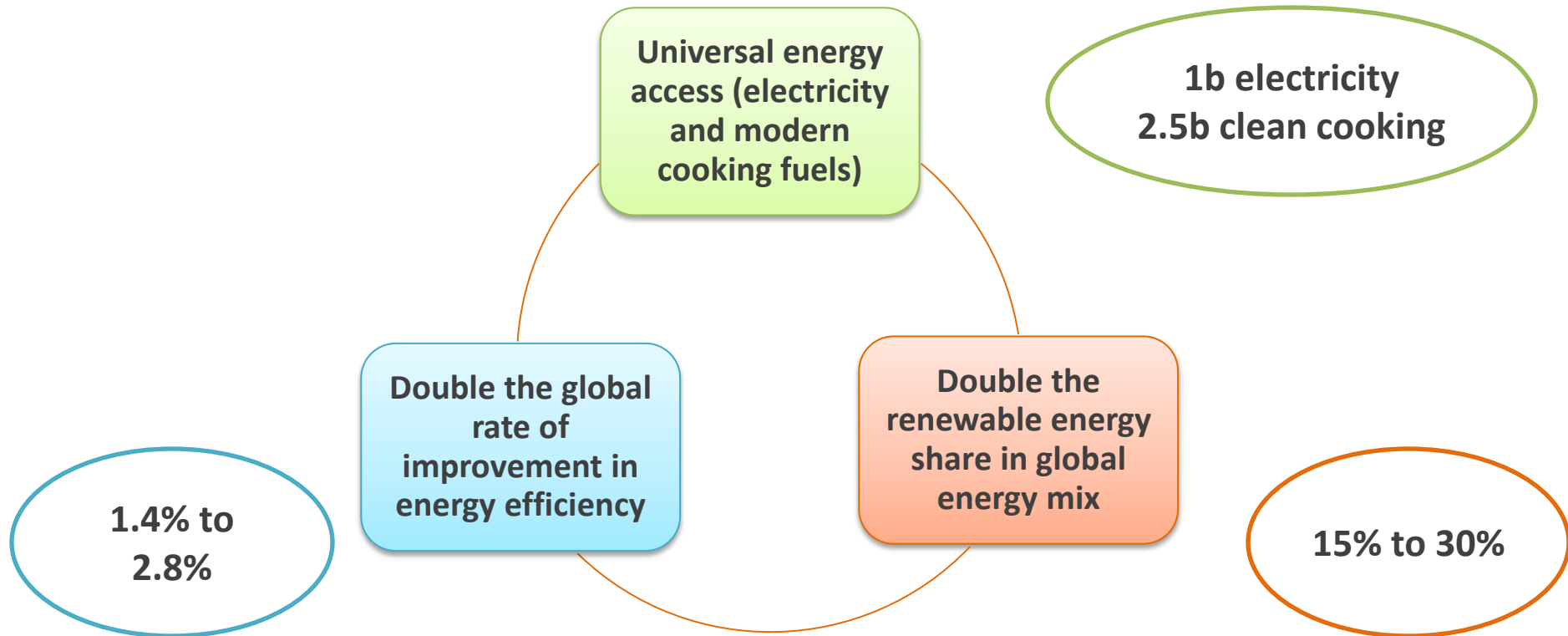
# Presentation

- INTRODUCTION
- STATUS OF ENERGY ACCESS
- SE4ALL VALUE PROPOSITION
- PROGRESS SO FAR
- WORK PROGRAM
- WB/ESMAP ROLE IN SE4ALL
- CONCLUSION



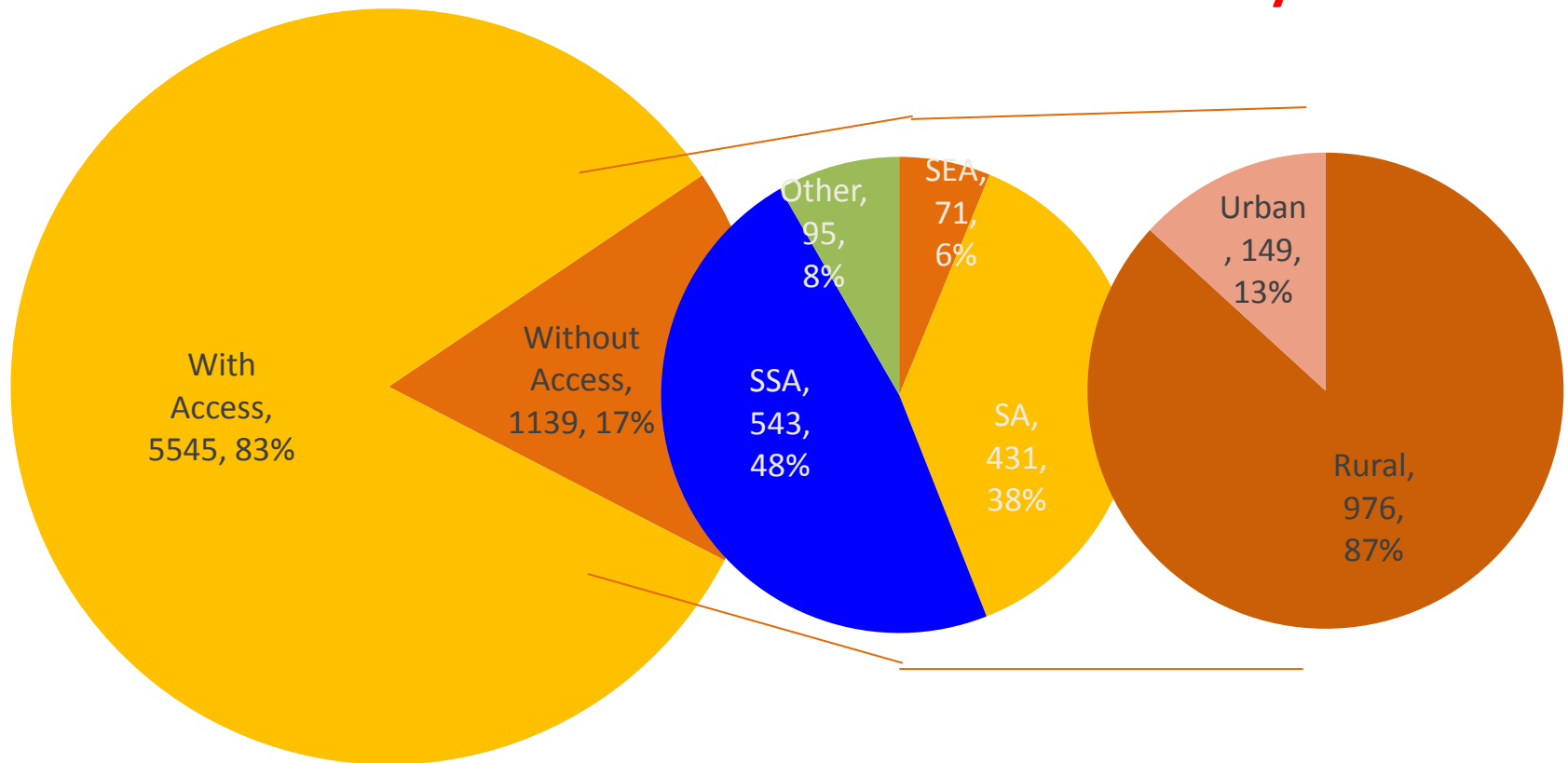
# Sustainable Energy for All (SE4ALL)

A Global Initiative of UN Secretary General



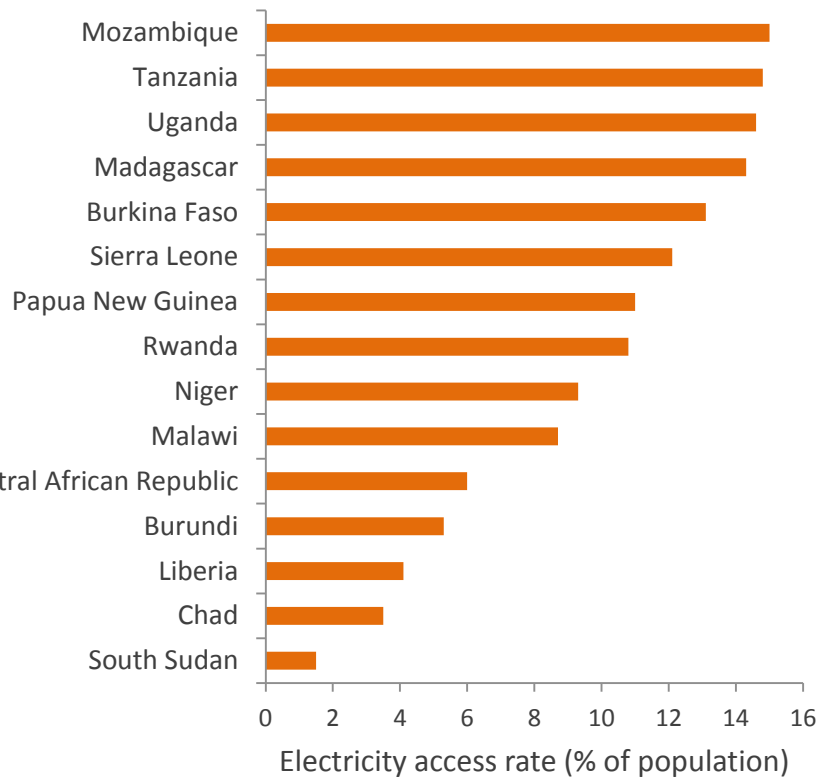
# Electricity access deficit (2010)

**1.14 billion without electricity access**

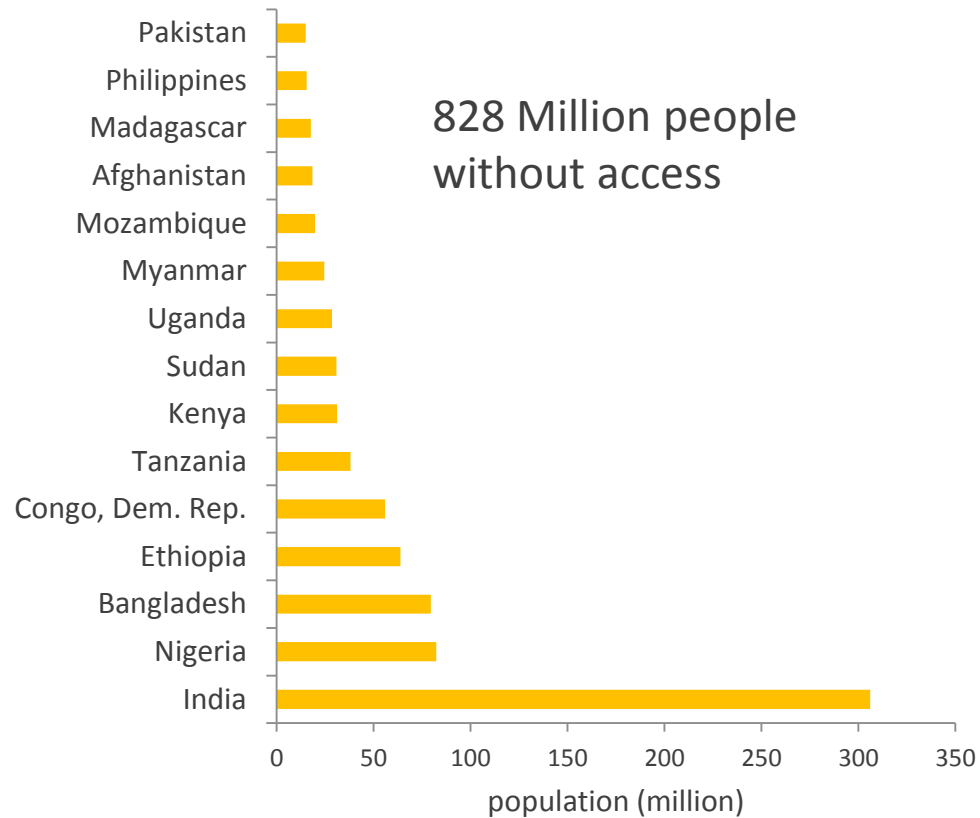


# Top 15 Countries with the lowest electrification rate (2010)

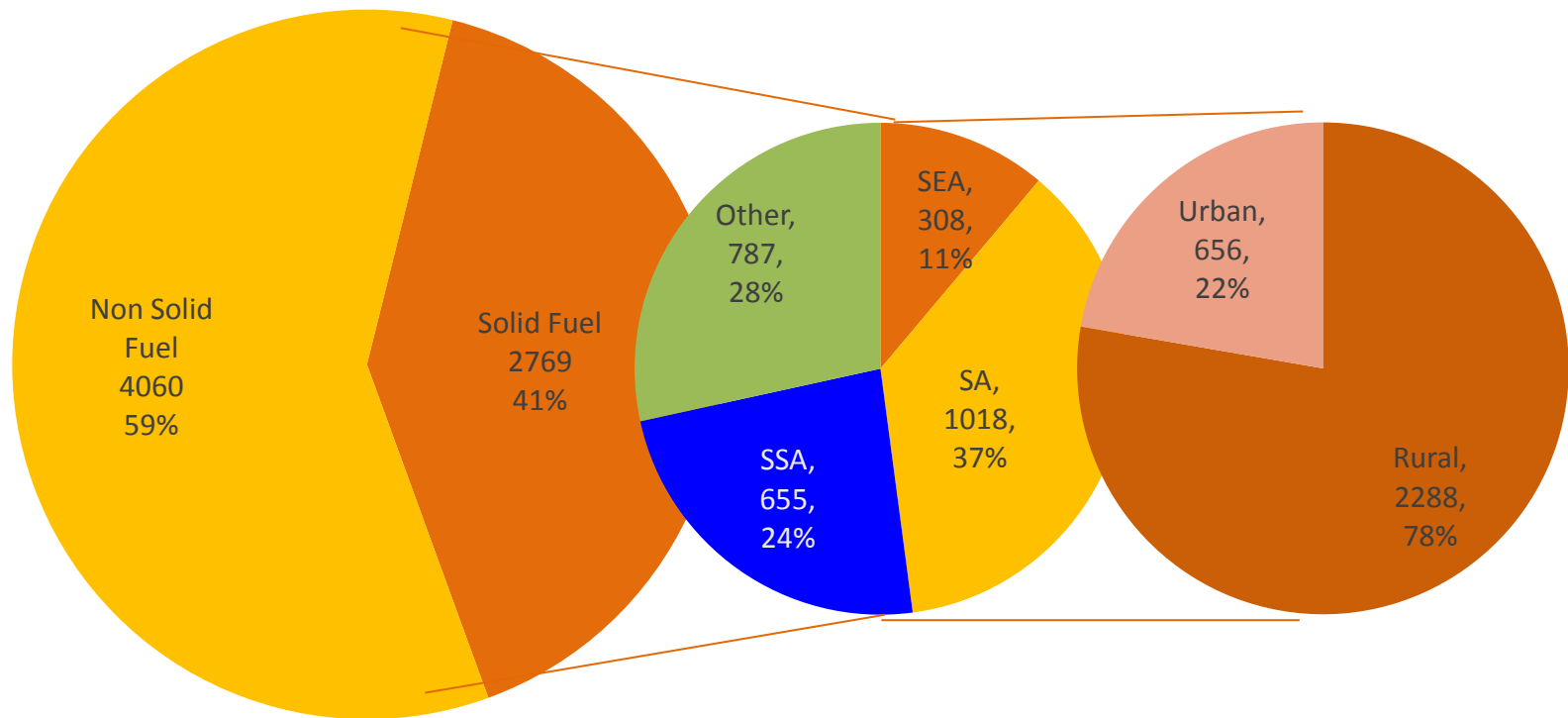
% of Population



Number of people (m)

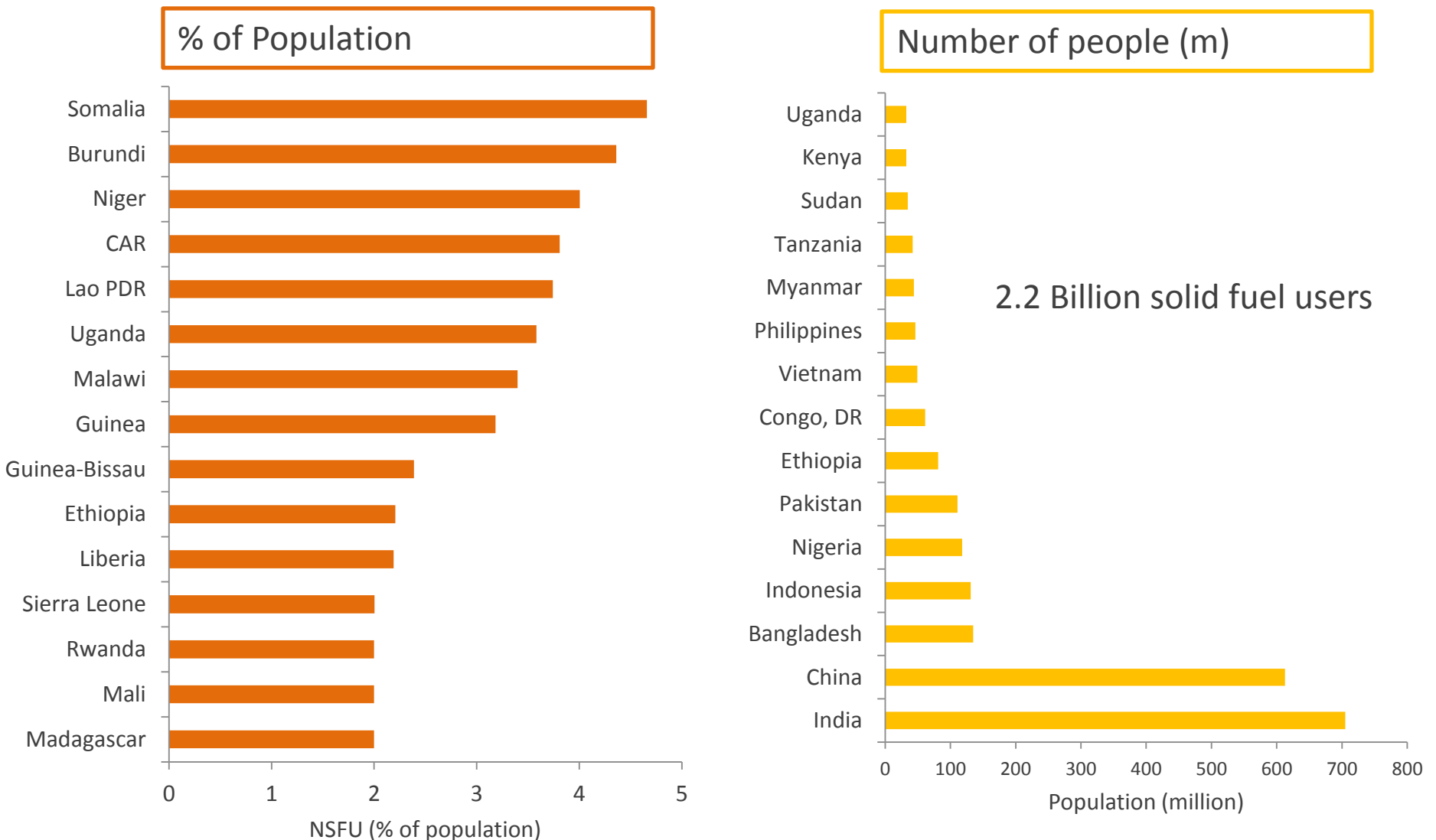


# Solid fuel use (2010)

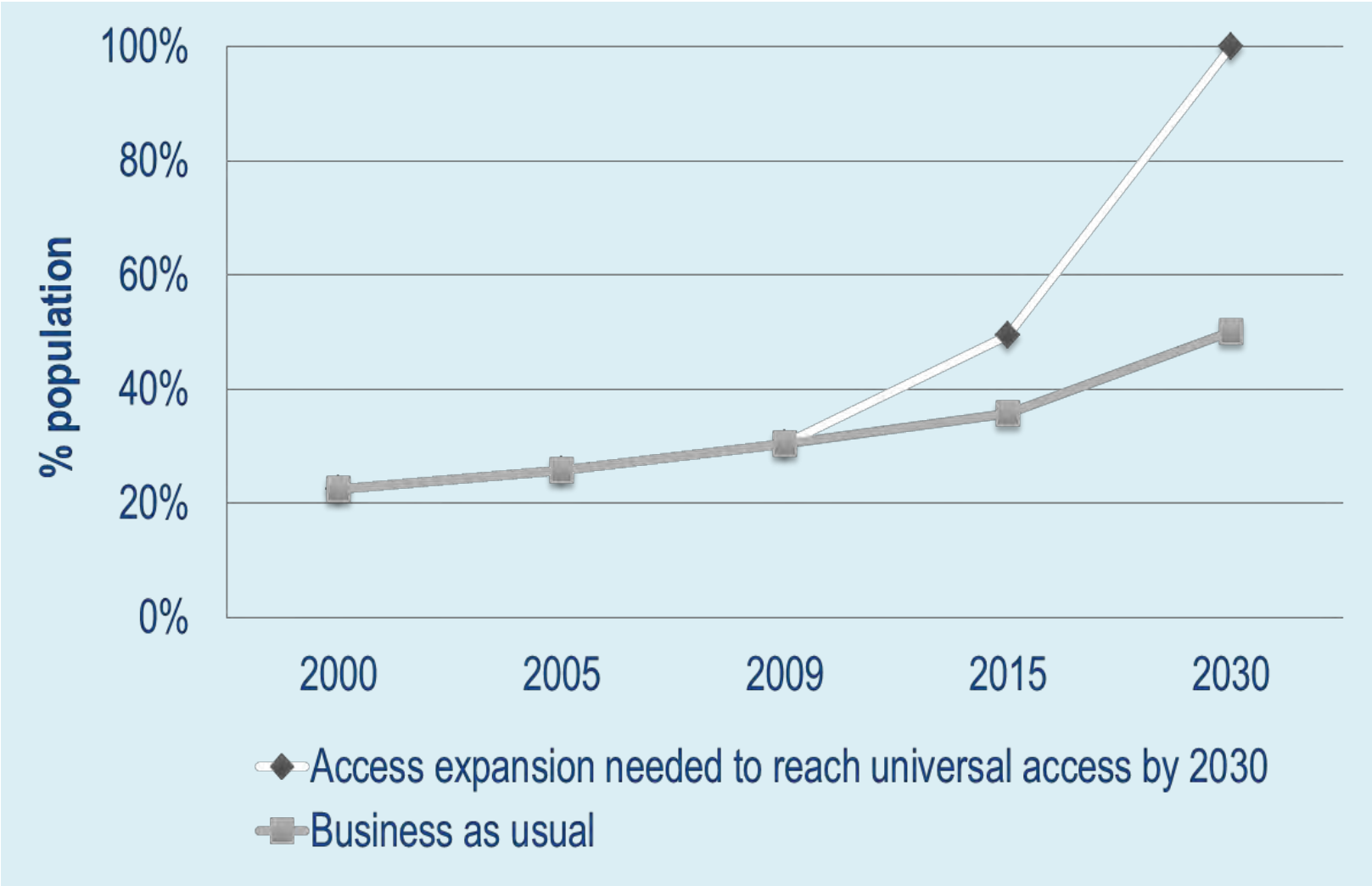


**2.77 billion people still use solid fuels (biomass and coal)**

# Top 15 countries with lowest rate of NSFU (2010)



# Business-as-usual will not lead to universal access



Source: WB Africa Energy Strategy, 2011



# SE4ALL value proposition

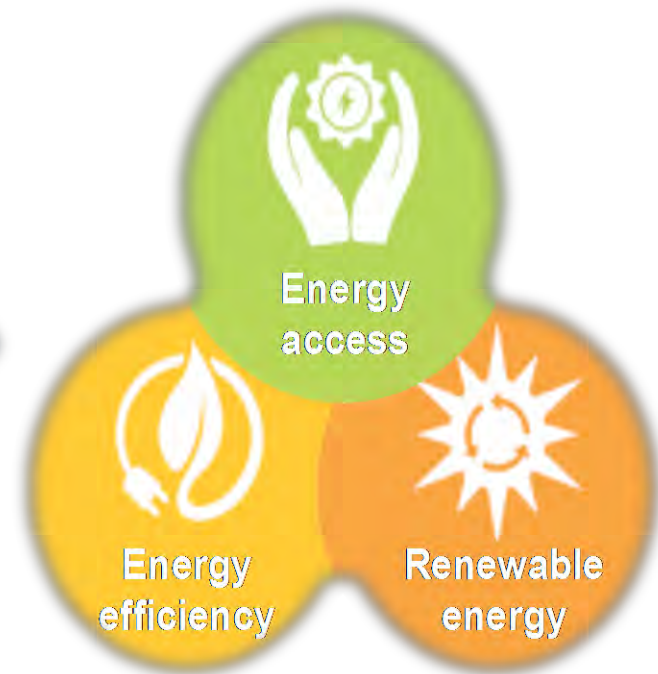
Unparalleled convening power

Ability to mobilise the boldest commitments

Shared commitment by partners ensuring coordination

Capacity to leverage large-scale investments

Large and rapidly expanding knowledge network

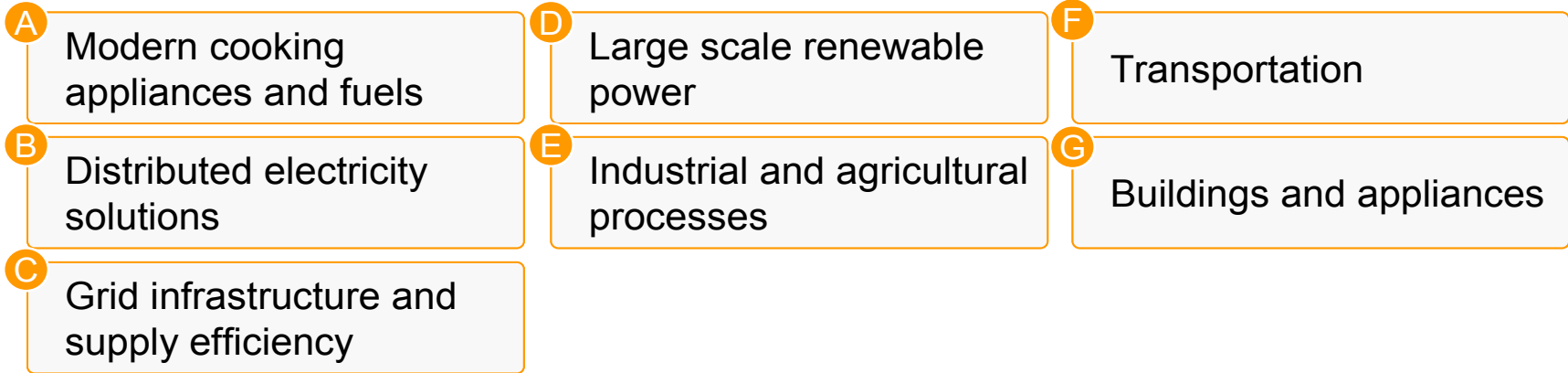


# Vision to action

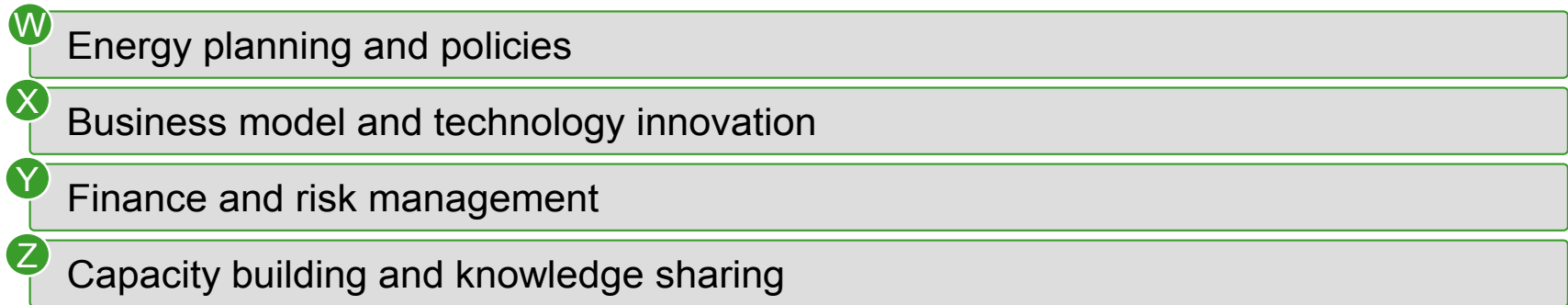


# SE4ALL action areas

## Sectoral Action Areas



## Enabling Action Areas



*Each action area has several high impact opportunities to be pursued as part of country/regional actions and other initiatives*

# Key accomplishments up to Rio+20

## Pre-Rio+20

- Technical Report on Energy Access
- Technical Report on Clean Energy (RE/EE)
- Rapid assessment reports on 20 countries
- Preliminary concept notes on RE/EE high impact scale up opportunities
- 14 country missions to initiate engagement
- Resource mobilization (e.g. EC Commitment)

## At Rio+20

- Formal launch of SE4ALL Action Agenda
- Launch of knowledge management network (2010 status report; tracking methods)
- Over \$50 billion in commitments from more than 100 countries and companies and agencies

Efforts on to declare a **Sustainable Energy Decade** (2012-22)

# SE4ALL country action process



# Guiding principles for access goal

- Country-led design and implementation based on clear commitment and demonstration of buy-in
- Two-track strategy: electrification and modern cooking fuels
- Technology-neutral approach: programs and technologies (incl. RE/EE) to be customized to specific scale-up needs
- Implementation by various stakeholders: governments, private sector, civil society
- Focus on enabling environment to attract private investment
- Program to leverage other initiatives like SREP, Energy+, EUAE-P, etc.



# Illustrative targets for SE4ALL (2013-15)

- Put in place programs/policies to reach 200m (electricity access) and 400m (clean cooking) people
  - Launch large-scale intervention programs in 10 ‘investment-ready’ countries
  - Launch TA programs in 20 ‘opt-in’ countries
  - Initiate ‘high impact’ opportunities in at least 30 countries
    - Expand Lighting Africa model to 30 countries
    - Initiate modern fuels interventions (e.g. LPG) in 20 cities with population >500,000
    - Programs for improved biomass fuel processes (e.g. charcoal) in 30 countries
    - Solar electrification of hospitals in 20 countries

# Contribution of WB/ESMAP in SE4ALL

## SE4ALL

- WB President co-chairs the SE4ALL Advisory Group
- Has been on the core team that launched SE4ALL and currently developing the work program
- WB and IEA joint leads for knowledge management (periodical tracking); Status report to be released in early 2013
- ESMAP launching SE4ALL technical assistance program (S-TAP) at country level in early 2013

## Own Programs

- \$8 b portfolio leveraging \$16b; to be doubled
- Rural electrification and access programs in several countries
- Power sector interventions (regional power pools, sector reform, transmission, large scale RE, etc.)
- Household energy programs
  - Africa Clean Cooking Energy Solutions (ACCES)
  - East Asia Clean Stove Initiative
  - Bangladesh Cookstove Program
- Expansion of Lighting Africa
- Global Gas Flaring Reduction (GGFR)



# Global Tracking System for SE4ALL goals

WB/ESMAP AND IEA IN JOINT LEAD

- Set up a knowledge management network with international partners
- First report to be released in March 2013
- Uses 2010 as the benchmark for future tracking; 20-yr trends analyzed (1990-2010)
- Proposes methodologies for tracking the three SE4ALL goals (under peer review)
- Proposes to bring out SE4ALL tracking report periodically (annual/biennial)

COORDINATORS

ESMAP



THE WORLD BANK



International Energy Agency



UN-Energy

UNITED NATIONS FOUNDATION

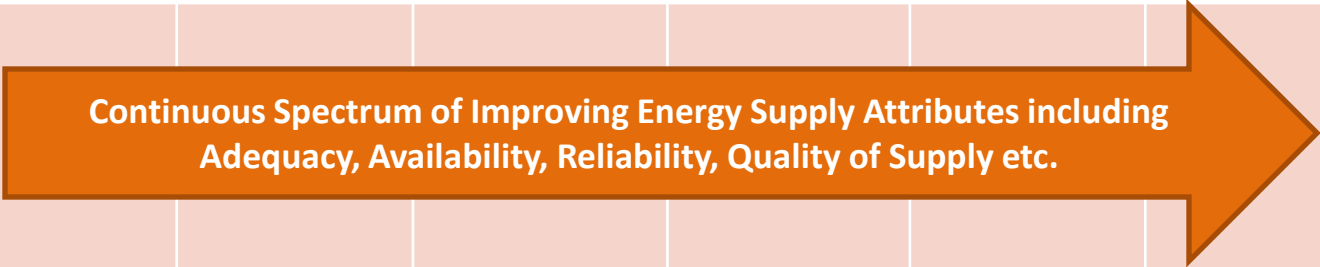


World Health Organization



# A multi-tier approach to measuring access

## ELECTRICITY ACCESS

|                                                     | Tier-0                                                                             | Tier-1                    | Tier-2                                            | Tier-3                                                 | Tier-4                                                               | Tier-5                            |
|-----------------------------------------------------|------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------|
| <b>Attributes of Electricity Accessed</b>           |  |                           |                                                   |                                                        |                                                                      |                                   |
| <b>Feasible Energy Applications (Indicative)</b>    | No Electricity                                                                     | Electric Lighting + Radio | Multi-Bulb Lighting + Air Circulation, Television | Tier-2 + Air Cooling + Light Mech. Loads               | Tier-3 + Refrigeration + Heavy Mech. Loads + Space Heating / Cooling | All applications are feasible     |
| <b>Likely Energy Supply Technology (Indicative)</b> | No Electricity                                                                     | Solar Lanterns            | Stand-alone Home Systems                          | Mini-grids with limited supply or Poor Grid Connection | Unreliable grid with limited supply                                  | Reliable Grid with 24-hour Supply |

# SE4ALL Technical Assistance Program (S-TAP)

- To be launched by **ESMAP** in early 2013 with an initial budget of \$15m
- 6-7 countries to be chosen initially @\$2-3m per country
- Implemented through WB operational regions and aligned with IDA programs
- Builds on the existing programs/plans and identify solutions to fill the gaps to reach the universal access goal (incl. focus on RE/EE where appropriate)
- Follows the SE4ALL guiding principles
- EXPECTED OUTCOMES:
  - **An Investment Prospectus as part of a National Energy Action Program**
  - **Enabling environment created (policy, capacity, finance, institutions)**



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Thank You.

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