



SUSTAINABLE
ENERGY FOR ALL

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Asian Clean Energy Forum, 16 June 2015, Manila
SE4All Investor Forum

Presentation Sustainable Energy for All

- **SE4All goal and targets**
- **SE4All highlights**
- **Country Action in the Asia-Pacific region**
- **Energy Efficiency in the Asia-Pacific region**
- **Next steps**



Sustainable Energy for All Goal

One Goal:

Achieving Sustainable Energy for All by 2030

Three Objectives:



ENSURING
universal access
TO MODERN ENERGY
SERVICES.



DOUBLING THE GLOBAL
RATE OF IMPROVEMENT IN
energy efficiency.



DOUBLING THE SHARE OF
renewable energy
IN THE GLOBAL
ENERGY MIX.



Sustainable Energy for All Highlights (I)



1 BILLION+

PEOPLE EXPECTED TO GAIN SUSTAINABLE ENERGY FROM SUSTAINABLE ENERGY FOR ALL (SE4ALL) PARTNER COMMITMENTS MADE AT AND SINCE THE UNITED NATIONS CONFERENCE ON SUSTAINABLE DEVELOPMENT (RIO+20)

\$300 BILLION+

COMMITTED TO SUSTAINABLE ENERGY FOR ALL DURING AND SINCE RIO+20

\$70 BILLION+

OF RIO+20 COMMITMENTS ALREADY INVESTED IN SUSTAINABLE ENERGY FOR ALL



90 million+

PEOPLE HAVE SO FAR GAINED ACCESS TO SUSTAINABLE ENERGY FROM RIO+20 COMMITMENTS

SDG 7

THE PROPOSED UNIVERSAL SUSTAINABLE DEVELOPMENT GOAL (SDG) ON ENERGY



\$120 BILLION

POTENTIAL FOR NEW ANNUAL INVESTMENTS IN SUSTAINABLE ENERGY THROUGH FOUR IDENTIFIED FINANCIAL INSTRUMENTS



10

REGIONAL AND THEMATIC SE4ALL HUBS

SUPPORTING SUSTAINABLE ENERGY IMPLEMENTATION AROUND THE WORLD



SE4All network

COPENHAGEN CENTRE ON ENERGY EFFICIENCY
SE4ALL EE HUB

ECCJ

THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP

UNIDO

UNDP

IDB
Inter-American Development Bank

UNITED NATIONS FOUNDATION

UNEP

European Bank for Reconstruction and Development

ADB
Asian Development Bank

energy+
INTERNATIONAL ENERGY AND CLIMATE INITIATIVE

teri

Johnson Controls

POWER AFRICA

ESMAP
Energy Sector Management Assistance Program

FIA

WORLD RESOURCES INSTITUTE

Danfoss

PHILIPS

Cu Copper Alliance™

accenture

2
10
2000

Global Facilitation Offices
SE4All Regional and Thematic Hubs
practitioners on the ground

Sustainable Energy for All Highlights (II)

100/100/100+

CENTRAL AND LOCAL
GOVERNMENTS/COMPANIES/FINANCIERS
BEING MOBILIZED TO DRIVE THE SE4ALL GLOBAL ENERGY
EFFICIENCY ACCELERATOR PLATFORM TOWARDS THE
UN CLIMATE CHANGE CONFERENCE IN 2015



60,000+

FACEBOOK AND TWITTER
FOLLOWERS OF SE4ALL



8.6 GIGATONS

POTENTIAL ANNUAL CO2 EMISSIONS REDUCED FROM
DOUBLING THE SHARE OF RENEWABLE ENERGY IN THE
GLOBAL ENERGY MIX BY 2030



1,000+

PARTICIPANTS
AT THE FIRST ANNUAL
UN SUSTAINABLE ENERGY
FOR ALL FORUM

43

**SE4ALL RAPID ASSESSMENTS
AND GAP ANALYSES**

CARRIED OUT IN PARTNER
COUNTRIES SO FAR

2,000+

MEMBERS
IN THE SE4ALL ENERGY ACCESS
PRACTITIONERS NETWORK

50

**SE4ALL HIGH-IMPACT
OPPORTUNITIES**

IDENTIFIED, SIX OF WHICH ARE ALREADY
OPERATIONALIZED

23

ORGANIZATIONS
WORKING ON THE SE4ALL
GLOBAL TRACKING
FRAMEWORK



SE4All Highlights (III)

- **SE4All's Advisory Board**, co-chaired by **UN Secretary-General Ban Ki-moon** and **World Bank Group President Jim Yong Kim**, provides strategic advice to SE4All and the **SE4All Executive Committee** provides guidance, direction and advice to the Chief Executive SE4All
- Already commitments towards SE4All can **halve energy poverty**.
- SE4All is coordinating a group of international organizations in drafting an **Energy Access Action Plan for the G20**.
- SE4All has launched a **Global Energy Efficiency Accelerator Platform at Climate Summit** – targeting COP 21 and beyond.
- UN Decade 2014- 2024 was dedicated to SE4All first two years focus on **energy-children- health-nexus campaign**.
- The **Second Annual United Nations Sustainable Energy for All Forum** featured the first ever **Global Energy Ministerial Dialogue at the United Nations**, in order to reaffirm the determination of Rio+20
- **106 countries** have so far joined SE4All as partners (**23 in Asia-Pacific**)



SE4All Asia – Pacific Hub (ADB, ESCAP, UNDP)

- **ADB`s work for SE4All targets has already been remarkable:**
- Between 2008-2014 **ADB** successfully mobilized **5,3 billion USD** of investment in the energy access sector and **deployed 2 billion USD per year** on clean energy. (Policy in Member States + ADB`s Energy for All collaboration with ADB`s Operations Departments to integrate energy access impacts into other projects+ ADB`s Energy for All Programme matching credible energy access enterprises with investors in the private sector)
- The SEAll Asia-Pacific Hub in the **Asian Development Bank with Economic and Social Commission for Asia Pacific (ESCAP) and UNDP**
- Seeking to replicate the **business model approach in EA for future activities in the RE and EE sector.**
- Countries need to integrate AE, EE and RE into their country development plans.



SE4All Country Action in the Asia-Pacific region

The **SE4All Action Agendas and Investment Prospectuses** will be an important tool for the **implementation of the suggested SDG7**. Some countries in Asia-Pacific are already working on these tools that aim to improve coordination and to stimulate investments. **13 Asia-Pacific** countries have taken the first step of completing and **Rapid Assessment/Gap Analysis** as baseline for action. Some have already taken the next steps. Examples are:

- **Nepal:** Energy+ is funding the development of an Action Agenda and the ADB is funding an Investment Prospectus
- **Bangladesh:** US State Department funded the development of an Investment Prospectus
- **Myanmar:** World Bank funded the development of an Investment Prospectus



Achieving Sustainable Energy for All by 2030

Investments needed per year:

- access 50 billion USD
- renewables 250 billion USD
- energy efficiency 300 billion USD

SE4All Energy Efficiency Accelerator Platform

The **Global Energy Efficiency Accelerator Platform** was established by SE4All to promote the objective of doubling the rate of energy efficiency improvement by 2030.

The Accelerator Platform **drives and supports action and commitments** by national and sub-national leaders at the country, city, state, regional, or business and sector level as well as by donors, funders and supporters of this initiative.

A key deliverable of the Accelerator Platform in each jurisdiction where it engages will be a **Roadmap that describes the policies and projects** that will be taken in order to achieve the energy efficiency improvements.

The Roadmap will also be used by SE4ALL to **mobilize support from a global network of experts, institutions and businesses** participating in this major global initiative.

Energy Efficiency Accelerator Sectors

The Accelerator Platform was established to support specific sector-based energy efficiency Accelerators

Lighting

Global market transformation to efficient lighting



Appliances & Equipment

Global market transformation to efficient appliances & equipment



Vehicle Fuel Efficiency

Improve the fuel economy capacity of the global car fleet



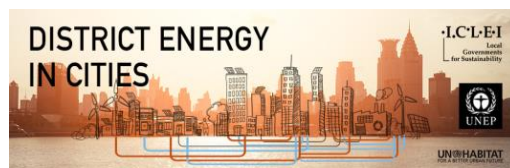
Buildings

Promote sustainable building policies & practices worldwide



District Energy

Support national & municipal governments to develop or scale-up district energy systems



Industry

Implementing Energy Management Systems, technologies & practices



Power Sector Accelerator is under development



The Global Energy Efficiency Accelerator Platform

- Leaders from more than **40 countries, 30 cities** and dozens of corporations launched large-scale commitments on energy efficiency to cut emissions of greenhouse gases and reduce energy costs.
- Over the past couple of months a vast number of **national and city governments** were pledging to tackle energy efficiency at a broader level by participating in the Global Energy Efficiency Accelerator Platform. These include Chile and Nicaragua, Almaty and Astana (Kazakhstan), Cetinje (Montenegro), **Jinan City (China)**, Leon (Mexico), Lima (Peru), **Manila (Philippines)**, **Science City of Muñoz (Philippines)**, Rio de Janeiro (Brazil), **Thimphu City (Bhutan)**, **Ulan Bator (Mongolia)**, Warsaw (Poland), and the **Iskandar Region of Malaysia**, with ten municipalities.
- IOs and financial institutions and private sector help governments to prepare road maps and investment and action plans. They include: the World Bank, ESMAP, IDB, UNDP, EBRD, ADB and Energy+ of Norway.
- **The Accelerator seeks further commitments by cities, regions, countries and businesses and banks**



“Convert commitments into kilowatt hours for real people”

Kandeh Yumkella
at the Second SE4All Forum in NY, May 2015



SE4ALL – EE engagement process

Based on RAGAs, and as part of Action Agendas/IPs:

Jurisdictions (countries, cities, regions) will go through a process of identifying their engagement which will include a variety of phases:

1. Commitment to EE Accelerator, (letter of intent, MoU)
2. Assessment, (tools e.g. TRACE for cities)
3. Development, (Action Plans, roadmaps)
4. Implementation, (“deep dive”)
5. Tracking/Reporting/Improvement

The EE Accelerator Platform and SE4All engages with cities, sub-regions and countries.



Energy Efficiency Network

Partners of the Global Energy Efficiency Accelerator Platform



SE4ALL's Goal for COP 21

Prior to COP 21, SE4ALL is seeking GHG emission-reduction commitments from:

- ➡ 100 cities (20 from Asia)
- ➡ 100 companies
- ➡ 100 banks
- ➡ 100 countries



SE4All - next steps for Asia

- ✓ SE4All is interested in more Asia – Pacific for Action-Agendas and Investment Prospectuses on country level
- ✓ These AAs and IPs should cover: Access, Renewable Energy but also Energy Efficiency (i.e. roadmaps pertaining to one or more of the EE Accelerator areas: buildings, lighting, transport, district energy, industry, appliances)
- ✓ The Accelerator Platform stands ready to assist in EE sectors
- ✓ SE4All seeks commitments on energy efficiency by countries, cities and businesses – COP 21



Commitment and Recognition Opportunities

Vienna Energy Forum	18 - 20 June 2015
Regional Workshop in Singapore	27 - 31 July 2015 (tbc)
Regional Workshop in Japan	28 - 30 October 2015
G20 Leader`s Summit	15 - 16 November 2015
COP21 – Paris	1 - 10 December 2015

For more information

www.se4all.org

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THANK YOU!