The background features several thick, curved green lines in various shades of green, sweeping across the page from the top left towards the bottom right. A horizontal light gray band is positioned behind the text.

SUSTAINABLE ENERGY FOR ALL

2014 ANNUAL REPORT



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)

SDG 7

THE PROPOSED UNIVERSAL SUSTAINABLE DEVELOPMENT GOAL (SDG) ON ENERGY

\$300 BILLION+

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



\$120 BILLION

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

\$70 BILLION+

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



10

REGIONAL AND THEMATIC SE4ALL HUBS

SUPPORTING SUSTAINABLE ENERGY IMPLEMENTATION AROUND THE WORLD



90 million+

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



102

COUNTRIES HAVE PARTNERED WITH SE4ALL,

85

OF THEM BEING DEVELOPING COUNTRIES

30

SE4ALL FOCUS COUNTRIES IN THE FIRST PHASE, WITH COUNTRY ACTION HAPPENING IN MANY MORE

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

CO₂ 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

2014

A YEAR OF MANY BREAKTHROUGHS ACROSS ALL WORK STREAMS OF SUSTAINABLE ENERGY FOR ALL

2015

THE YEAR WHEN WE SHOW HOW WE ACT TO MAKE SUSTAINABLE ENERGY FOR ALL A REALITY

2030

THE YEAR WHEN WE ACHIEVE SUSTAINABLE ENERGY FOR ALL

15

LAUNCHES

OF THE UN DECADE OF SUSTAINABLE ENERGY FOR ALL AROUND THE WORLD

Clean cookstoves have the potential to save millions of lives every year in India and around the world. India 2014.
Photo: Romana Manpreet/Global Alliance for Clean Cookstoves



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EXECUTIVE SUMMARY

Ensure universal access to modern energy services. Double the global rate of improvement in energy efficiency. Double the share of renewable energy in the global energy mix. These three objectives, all to be achieved by 2030, drive the work of Sustainable Energy for All (SE4All). SE4All is aimed at catalyzing major new actions and investments to speed the transformation of the world's energy systems, pursue the elimination of energy poverty, address climate change and enhance prosperity. In many ways, 2014 has been a breakthrough year across all areas covered by SE4All. Recent key developments include:

- » **Energy is centrally placed amongst the Sustainable Development Goals (SDGs) proposed for the post-2015 development agenda.** The energy goal, SDG 7, was put forward to the UN General Assembly in 2014 as part of the 17 proposed SDGs.¹ The proposed goal and targets are consistent with SE4All's objectives on energy access, efficiency and renewable energy. Hence, thousands of SE4All partners from all regions and sectors are already geared towards and stand ready to support implementation of the energy SDG during the crucial decades to come.
- » **102 countries, including 85 developing countries, have so far joined SE4All as partners.**² In 2014, SE4All country action efforts focused especially on 30 countries in the first phase. Concrete progress has already been made in many more countries, where partners support the development of SE4All Action Agendas, Investment Prospectuses, energy policies, rural electrification plans and strategies for scaling up clean cooking solutions.
- » **Commitments put forward to date can halve energy poverty.** The European Commission and individual European countries are committed, in support of SE4All, to support developing countries in their efforts to reduce energy poverty by more than half a billion people within two decades. SE4All has signed an Aide Memoire for Cooperation with Power Africa, a US initiative that aims to provide energy access to some 300 million people, to forge stronger cooperation in sub-Saharan Africa. New commitments continue to be made, while others are being scaled up.
- » **43 SE4All Rapid Assessments or Gap Analyses have been carried out** with the support of development partners, principally the regional development banks, the World Bank and the United Nations Development Programme (UNDP). These analyses describe the energy profile of the partner country, the state of development in relation to energy access, renewables and energy efficiency and any current priority subsectors or policy initiatives under development.
- » **SE4All has launched a new Global Energy Efficiency Accelerator Platform,**³ a unique public-private platform for energy efficiency in appliances, buildings, district energy, industry, lighting and transportation, with more sectors being considered. Targeted energy efficiency measures have the potential to save many gigatons of carbon emissions and hundreds of billions of dollars. The platform was launched at the Climate Summit in September 2014. The aim is to grow the platform to become the largest global platform on energy efficiency by the time of the 2015 UN Climate Change Conference (COP 21) in Paris.
- » **SE4All has established a unique partnership between private banks, multilateral and national development banks and institutional investors to mobilize an additional \$120 billion a year** in sustainable energy investments across four themes.⁴ At the first annual SE4All Forum in June 2014, the Brazilian Development Bank, the Bank of America and the World Bank launched a draft report describing this potential on behalf of all partners.

¹ Proposed Sustainable Development Goals: <http://sustainabledevelopment.un.org/owg.html>

² SE4All country action: www.SE4All.org/actions-commitments/country-level-actions/

³ SE4All Global Energy Efficiency Accelerator Platform: www.SE4All.org/energyefficiencyplatform/

⁴ SE4All financing solutions: www.SE4All.org/2015/01/31/financing-sustainable-energy-possible

- » **The International Renewable Energy Agency (IRENA) has launched the SIDS Lighthouse initiative and the African Clean Energy Corridor**, which will provide significant assistance for investments in renewable energy in Small Island Developing States (SIDS) and African countries. IRENA, as the SE4All Renewable Energy Hub, has also launched the REmap 2030 report,⁵ a roadmap to double the share of renewable energy in the global energy mix by 2030. The SE4All partner REN21 reports that over 140 countries now have some form of renewables targets.
- » **SE4All has built a strong network of regional and thematic hubs to support implementation.**⁶ There are now ten thematic and regional hubs established within existing institutions around the world, including for Africa in the AfDB with AU, NEPAD and UNDP; for Europe-Central Asia-Mediterranean in the EBRD; for Latin America and the Caribbean in IDB with ECLAC and UNDP; and for Asia-Pacific in ADB with ESCAP and UNDP. Thematic hubs include Energy Efficiency (Denmark/DTU/UNEP), Renewable Energy (IRENA), Knowledge Management (World Bank), Capacity Building (TERI), Energy Efficiency Facilitation (ECCJ/Japan) and a Bottom-of-the-Pyramid hub (UNDP). Combined, these hubs cover the SE4All objectives on energy access, efficiency and renewable energy, as well as crosscutting approaches to addressing them.
- » **50 High-Impact Opportunities (HIOs) have been identified to date.**⁷ Six of these HIOs are currently being operationalized: Clean Energy Mini-Grids, Phase-out of Gas Flaring, Energy and Women's Health, Universal Adoption of Clean Cooking Solutions, Sustainable Bioenergy and the Water-Energy-Food Nexus. A framework has been developed for formalizing the scope, relationships, roles, responsibilities, accountabilities and monitoring and evaluation of the HIOs.
- » **Civil society is stepping up to the challenge.** Led by the UN Foundation, the SE4All Energy Access Practitioner Network⁸ has more than 2,000 members from non-governmental organizations (NGOs), private sector groups and social enterprises, delivering energy services in 170 countries. The Self Employed Women's Association (SEWA), a trade union in India, is another example of a close SE4All partner with a broad reach to many people at the heart of the challenges and opportunities of providing sustainable energy for all.
- » **SE4All has developed a Global Tracking Framework.**⁹ The second edition, to be launched in 2015, will include ground-breaking work to define a multi-tier definition of energy access and other innovative monitoring tools. The World Bank, ESMAP and the International Energy Agency (IEA) lead the work, supported by 20 other organizations. The Global Tracking Framework can also aid in measuring progress towards the proposed energy Sustainable Development Goal.
- » **2014 saw the first annual United Nations Sustainable Energy for All Forum,¹⁰ with the global launch of the UN Decade of Sustainable Energy for All 2014-2024.**¹¹ The Forum attracted more than 1,000 leaders from civil society organizations, private sector companies, organizations and governments, including many ministers. The Decade, which has been launched around the world, kicked off with a two-year global campaign on Energy, Women, Children and Health.

⁵ REmap 2030: www.irena.org/remap

⁶ SE4All hubs: www.SE4All.org/hubs

⁷ SE4All High-Impact Opportunities: www.SE4All.org/actions-commitments/high-impact-opportunities

⁸ SE4All Energy Access Practitioner Network: www.SE4All.org/about-us/practitioner-network

⁹ SE4All Global Tracking Framework: www.SE4All.org/tracking-progress/

¹⁰ SE4All Forum: www.SE4Allforum.org/forum-2014

¹¹ UN Decade of Sustainable Energy for All: www.SE4All.org/decade

Looking ahead, 2015 will be a year packed with decisive milestones, including the UN Summit on the post-2015 development agenda and the UN Conference on Climate Change (COP 21). The time is now to show how SE4All can concretely contribute to the twin aims of achieving the future global Sustainable Development Goals and stabilizing global warming below 2 degrees Celsius. Fortunately, SE4All is already front and centre by providing forward-looking solutions. Together with the French COP 21 Presidency and the UN Secretary-General's Climate Change Support Team, SE4All is leading in mobilizing actions on energy for COP 21. The SE4All Advisory Board's Finance Committee stands ready to support the Financing for Development (FFD) process. The Turkish G20 presidency has requested SE4All to present concrete options for expanding energy access in Africa. The SE4All Global Tracking Framework offers a concrete set of indicators for the tracking of progress towards the proposed energy SDG and targets. In the midst of all this, the second annual UN SE4All Forum, from 18-21 May 2015, will serve as a global platform and important catalyst for all SE4All and partner action to advance our common agenda.



Acciona's 46 MW solar power plant in Amareleja produces 93 kWh annually -- enough to power 30,000 Portuguese households. Portugal 2014.
Photo: Acciona

PREFACE

Energy is the golden thread that connects economic growth, increased social equity and an environment that allows the world to thrive. Energy enables and empowers. Touching on so many aspects of life, from job creation to economic development, from security concerns to the empowerment of women, energy lies at the heart of all countries' core interests.

In 2010, the United Nations General Assembly declared 2012 as the International Year of Sustainable Energy for All. In September 2011, UN Secretary-General Ban Ki-moon launched Sustainable Energy for All (SE4All). He shared his vision¹² for how governments, businesses, organizations and civil society, working in partnership, can make sustainable energy for all a reality by 2030.

The world faces two urgent and interconnected challenges related to energy, he noted.

One concerns energy access. 1.2 billion people, nearly one person in six on the planet, lack access to electricity. More than twice as many, 2.8 billion people, rely on wood, coal, charcoal or animal waste for cooking and heating. This creates major barriers to eradicating poverty and building shared prosperity.

Where modern energy services are plentiful, the problem is different: waste and pollution. Emissions of carbon dioxide and other greenhouse gases from fossil fuels are contributing to changes in the Earth's climate that are causing widespread harm to lives, communities, infrastructure, institutions and budgets. Climate change threatens food and water security for hundreds of millions of people around the world, undermining the most essential foundations of local, national and global stability.

Competition for scarce resources is increasing, exacerbating old conflicts and creating new ones. As lands degrade, forests fall and sea levels rise, the movement of people driven from their homes by environmental change may reshape the human geography of the planet. Climate change puts us all at risk, but it hurts the poor first – and worst.

The key to unlocking both challenges and opportunities at the same time is to provide sustainable energy for all – energy that is accessible, clean, more efficient and affordable, especially for the poor.

Sustainable energy is about new opportunities. It enables businesses – including energy businesses – to grow, generates jobs and creates new markets, thereby empowering women and men. Children can study after dark. Health clinics can sterilize equipment, store life-saving vaccines and undertake emergency procedures after dark. Countries can grow more resilient, building competitive economies. With sustainable energy, countries can leapfrog over the limits of the energy systems of the past and build the clean energy economies of the future, thereby improving the overall quality of life for their citizens.

In short, sustainable energy for all is a global imperative whose time has come.

¹² SE4All vision: www.SE4All.org/our-vision



“Energy poverty makes it hard to think about anything beyond basic survival. If we don’t address energy poverty, we will not achieve our goal of ending extreme poverty. It’s going to take all our efforts to scale up public and private investment so that everyone has access to clean and reliable energy.”

World Bank Group President
Jim Yong Kim

“The opportunities of sustainable energy are profound, from the poorest communities to the richest investors. The benefits will be felt throughout society in all countries. That is why we must continue to build our Sustainable Energy for All initiative and bring more partners and stakeholders aboard.”

UN Secretary-General
Ban Ki-moon



SUSTAINABLE
ENERGY FOR ALL

FOREWORD

Dear SE4All Friends and Partners,

Make no mistake, 2015 will be a decisive year for our common future. We will have the UN Summit for the adoption of the post-2015 development agenda in September, and the UN Climate Change Conference in December. These are more than just meetings. They will shape the global path ahead for generations to come. In doing so, I think you will agree with me that sustainable energy, as an enabler of so many areas of progress, stands out as a master key to unlocking the potential of solving the biggest global challenges of our time – that is to simultaneously eradicate poverty, power prosperity and combat climate change.

This is why I am happy to conclude that 2014 has left Sustainable Energy for All (SE4All) very well positioned and prepared for the future. Many of the breakthrough developments in 2014 are described in detail in this first SE4All Annual Report: the proposed Sustainable Development Goal (SDG) 7 on energy; game-changing commitments that already make halving of energy poverty realizable; more than 30 countries working on Action Agendas and Investment Prospectuses; a new Global Energy Efficiency Accelerator Platform; transformative renewable energy analyses and initiatives led by IRENA and other partners; High-Impact Opportunities that are catalyzing action and investment in a series of regional and country-level engagements; proposed tools that have the potential to mobilize an additional \$120 billion in investments per year; growing communication and media outreach; and the forthcoming second Global Tracking Framework that will help us monitor our progress, including towards SDG 7 on energy, when adopted. SE4All and its thousands of partners stand ready to implement. The SE4All Global Facilitation Team and ten regional and thematic hubs within respected institutions around the world give SE4All a truly global reach.

The first Sustainable Energy for All Forum in June 2014 was a three-day manifestation of know-how and actions by more than 1,000 SE4All partners from all sectors and regions around the world. The Forum also saw the launch of the UN Decade of Sustainable Energy for All 2014-2024, including its initial two-year campaign on Energy, Women, Children and Health. This is our chance to prevent more than four million annual premature deaths due to illness caused by household air pollution, most of them being women and children. This simply has to end.

Almost three years after world leaders at Rio+20 declared that “we are all determined to act to make sustainable energy for all a reality”, now is the time to show how. 2015 provides an historic opportunity for SE4All and all of us to be drivers for change to achieve the future Sustainable Development Goals and climate change agreements. SE4All is already engaged to support relevant processes, including the post-2015 deliberations, Financing for Development, G20 efforts and COP 21. The second annual UN Sustainable Energy for All Forum, to be held at the UN Headquarters in New York from 18-21 May 2015, will provide a platform to spread our vision, share innovations and best practices and inspire all stakeholders to take bold actions.

As we embark on this next pivotal chapter in global history, let me thank every single one of you for the solid foundation that we – together – have laid during the course of 2014. Now, let’s scale it up!



Kandeh K. Yumkella,
Special Representative
of the Secretary-General
and Chief Executive Officer
for Sustainable Energy for All

“2014 has left
Sustainable
Energy for
All very well
positioned and
prepared for
the future.”

CHAPTER 1

WHO WE ARE

Sustainable Energy for All (SE4All) is aimed at catalyzing a transformation in the world's energy systems toward an equitable and sustainable future. Transforming the world's energy systems will lead to new multi-trillion-dollar investment opportunities to eliminate energy poverty, integrate and balance conventional and renewable energy sources, address climate change and enhance prosperity in developed and developing countries alike.

Launched in September 2011 by UN Secretary-General Ban Ki-moon, the three objectives of SE4All are to, by 2030:

1. **Ensure universal access to modern energy services**
2. **Double the global rate of improvement in energy efficiency**
3. **Double the share of renewable energy in the global energy mix**

Sustainable Energy for All aims to change the game by introducing new public-private partnerships built from constructive dialogue on policy, investment and market development by governments, business, civil society and international organizations. By bringing together the global convening power of the United Nations and the World Bank, SE4All has the ability to leverage large-scale investments and mobilize bold commitments. It also has a rapidly expanding knowledge network.

The SE4All Advisory Board, Co-Chaired by UN Secretary-General Ban Ki-moon and World Bank Group President Jim Yong Kim, provides strategic advice to SE4All. The Advisory Board includes almost 50 distinguished global leaders from governments, business, financiers, civil society and international organizations. They are also serving as global ambassadors of SE4All. The Advisory Board has established four standing committees to guide the SE4All work on energy access, efficiency and renewable energy, as well as on finance. For more information, please see Chapter 3.

An Executive Committee provides operational advice and is headed by Chad Holliday, Board Member at the Bank of America. Kandeh Yumkella, the Secretary-General's Special Representative for Sustainable Energy for All, is also the Chief Executive Officer of SE4All, and is supported by a small Global Facilitation Team based in Vienna and New York.

The Global Facilitation Team serves to promote the myriad of SE4All activities around the world. By bringing together SE4All hubs, networks and individual SE4All partners, and continuing to grow the movement, the team serves as a connector, facilitator and launching pad for new initiatives and partnerships that can scale up joint efforts on sustainable energy for all.

SE4All has built a strong network of regional and thematic hubs to support implementation. The regional hubs include an Africa Hub hosted by the African Development Bank together with the African Union, the New Partnership for Africa's Development (NEPAD) and UNDP; a Europe-Central Asia-Mediterranean Hub hosted by the European Bank for Reconstruction and Development (EBRD); a Latin American and Caribbean Hub hosted by the Inter-American Development Bank (IDB) together with the UN Economic Commission for Latin America and the Caribbean (UNECLAC) and UNDP; and an Asia-Pacific Hub hosted by the Asian Development Bank (ADB) together with the UN Economic and Social Commission for Asia and the Pacific (UNESCAP) and UNDP. Thematic hubs exist for Energy Efficiency (Denmark/Technical University of Denmark/UNEP), Renewable Energy (the International Renewable Energy Agency, IRENA), Knowledge Management (World Bank), Capacity Building (The Energy and Resources Institute, TERI), Energy Efficiency Facilitation (the Energy Conservation Center, Japan) and the Bottom-of-the-Pyramid (UNDP). Combined, these hubs cover the three SE4All objectives of energy access, efficiency and renewable energy, as well as different crosscutting approaches to addressing them. More information about the hubs can be found in Section 2.6.

**Global reach:
SE4All offices, regional and thematic hubs and initial Country Action countries**

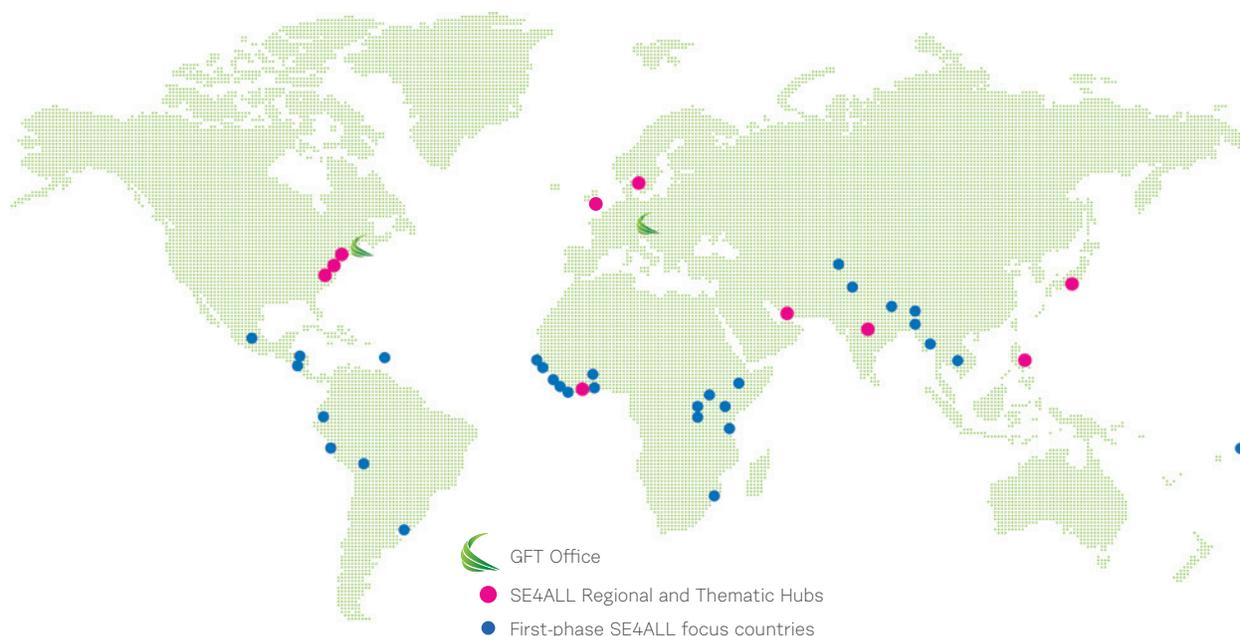
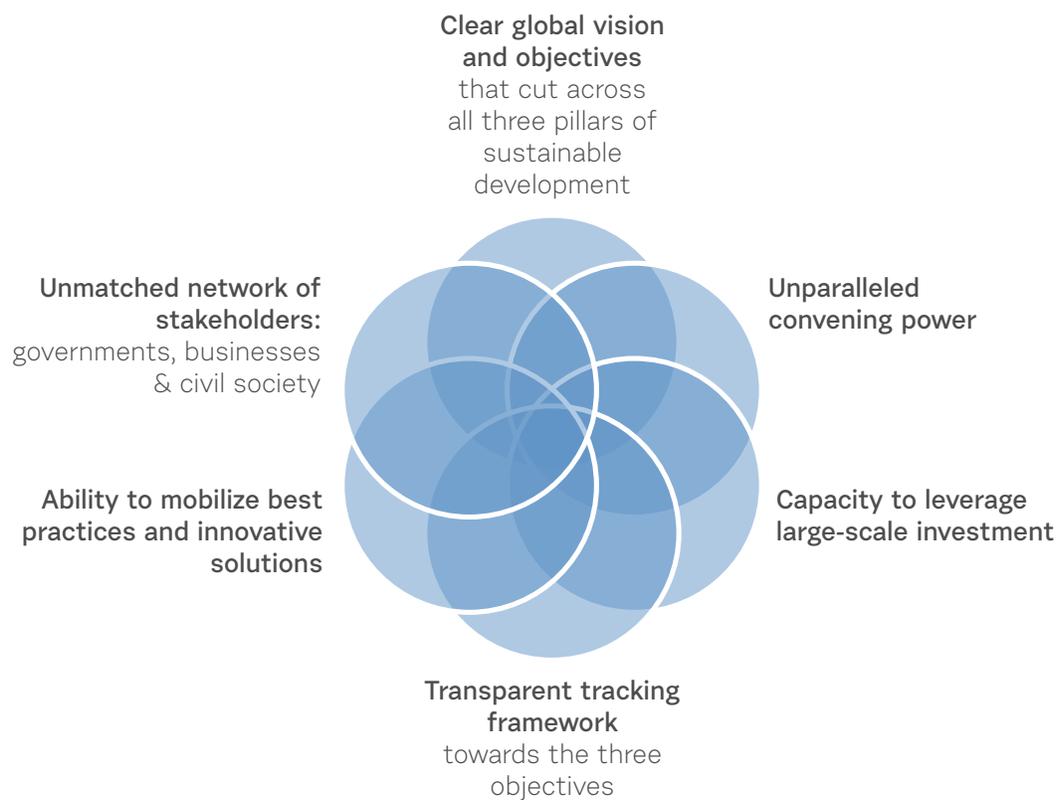


Figure 1: What makes SE4All different – and how it is making a difference



Timeline of key political developments

2009

UN Secretary-General Ban Ki-moon's Advisory Group on Energy and Climate Change issues the report 'Energy for a Sustainable Future'

2010

The UN General Assembly declares 2012 the International Year of Sustainable Energy for All

2011

UN Secretary-General Ban Ki-moon launches Sustainable Energy for All (SE4All) and establishes the High Level Group on Sustainable Energy for All

2012

Activities around the world celebrate the International Year of Sustainable Energy for All

The UN Conference on Sustainable Development (Rio+20) declares "We are all determined to act to make sustainable energy for all a reality" and takes note of SE4All

The UN General Assembly declares 2014-2024 the UN Decade of Sustainable Energy for All

2013

SE4All Advisory Board is established, co-chaired by UN Secretary-General Ban Ki-moon and World Bank Group President Jim Yong Kim

Special Representative of the Secretary-General for Sustainable Energy for All, Kandeh Yumkella, takes office, supported by a small Global Facilitation Team in Vienna and New York

2014

The UN Decade of Sustainable Energy for All launches around the world, with initial two-year campaign on Energy, Women, Children and Health

First annual UN Sustainable Energy for All Forum held at UN headquarters in New York

Open Working Group on Sustainable Development Goals proposes a global energy goal and targets, consistent with the Sustainable Energy for All vision, goal and objectives.

CHAPTER 2:

WHAT WE DO: PROGRESS, RESULTS AND DELIVERABLES

This first Sustainable Energy for All Annual Report provides an account of some key activities and achievements since the launch of SE4All in 2011, with an emphasis on 2014. The report is structured around SE4All's six core work streams, as defined in the SE4All Strategic Work Programme, as well as the Business Plan for July 2013 – June 2016. These work streams are:

- » Country Action
- » Business Action and Investment, including High-Impact Opportunities
- » Global Advocacy and Stakeholder Engagement
- » Communication and Outreach
- » Facilitating Knowledge Management
- » Ensuring Monitoring and Reporting



Millions of children around the world do not have basic access to electricity to do simple tasks such as homework after sundown.
Photo: UNEP

Commitments to sustainable energy for all – from Rio+20 to now, and beyond

At the United Nations Conference on Sustainable Development (Rio+20) in 2012, voluntary commitments towards sustainable energy for all¹³ amounted to some \$300 billion, including more than \$50 billion from the private sector and investors. This was the largest amount committed across all thematic areas. Preliminary reporting from partners suggests that more than \$70 billion of the commitments at Rio+20 have already been invested, with at least 90 million beneficiaries around the world to date. These numbers are expected to grow substantially over a number of years.

New financial resources keep being committed by governments and organizations, including national and multilateral development banks. Many of them are highlighted throughout this report. Notably, the European Commission and individual European countries have committed, in support of Sustainable Energy for All, to back developing countries in their efforts to reduce energy poverty by more than half a billion people within two decades. In September 2014, SE4All also signed an Aide Memoire for Cooperation with Power Africa, an initiative of the US Government, to forge stronger cooperation in sub-Saharan Africa. The European and US commitments alone mean that energy poverty can be halved by 2030, through efforts backed by tens of billions of dollars of public-private financing. Many of the commitments to Sustainable Energy for All are facilitating further investments through co-funding arrangements among additional contributors. Overall, it is now conceivable that about 1 billion people globally can get sustainable energy based on commitments to sustainable energy for all by partners to date. SE4All works with commitment owners to encourage continued and scaled up actions, and to measure progress towards their respective aims. In order to better track commitments and their delivery, a new Global Sustainable Energy for All commitment platform will be part of the second UN SE4All Forum in May 2015.

Partners making progress:

The European Bank for Reconstruction and Development funds hundreds of renewable energy and energy efficiency projects

At Rio+20, the European Bank for Reconstruction and Development (EBRD) committed to a sustainable energy financing target of \$8 billion for the period 2012 to 2014, with a total investment target of \$30 billion. The EBRD is fulfilling its commitment to SE4All,* with EBRD sustainable energy financing reaching \$8.25 billion for the period 2012 to the end of the first quarter of 2014. The total investment target has also already been fulfilled, with total investments related to sustainable energy project financing over the period reaching \$44 billion. These financing results supported the implementation of 352 renewable energy and energy efficiency projects across the region of operations of the EBRD, which covers Central and Eastern Europe and the Southern and Eastern Mediterranean. The high leverage achieved by EBRD financing reflects the high share of private finance mobilized by these projects and the opportunity for private investment in sustainable energy. Energy efficiency projects involve large-scale energy intensive industries, agribusiness, commercial property, small and medium enterprises, power utilities and municipal infrastructure utilities. Renewable energy projects involve biomass, biogas, geothermal, small and large hydro rehabilitation, solar and wind. The implementation of these projects is expected to lead to a reduction of CO2 emissions of 21 million tons per year.

* Video about the EBRD commitments to SE4All: www.youtube.com/watch?v=A3_SnZsgbu4

¹³ SE4All commitments: www.SE4All.org/tracking-progress/commitments

2.1 COUNTRY ACTION

Table 1: SE4All targets and achievements: Country Action

3-YEAR TARGET (2013-2016)	ACHIEVEMENTS BY 2014
At least 100 countries (both developing and developed) engaged	102 countries in partnership with SE4All; 85 of them are developing countries. SE4All partners linked up and working on the ground in many of them.
At least 30 Country Action Agendas at national/local levels	Country Action Agendas in 30 focus countries, in the first phase. Country Action Reference Document (CARD) prepared jointly by key development partners. SE4All Action Agenda template developed.
All partner countries to undertake initial gap analysis and/or bottom-up solutions assessment	SE4All Rapid Assessments/Gap Analyses carried out in 43 countries.

Sustainable Energy for All Country Action¹⁴ supports countries in articulating their action agendas, investment strategies, and programmes/projects towards the three objectives of SE4All. A wide range of SE4All partners from all sectors and in all regions do already contribute to these efforts. The main actors are the countries concerned, supported by public-private partners, including global, regional and national development banks. SE4All High-Impact Opportunities (HIOs) and Regional and Thematic SE4All Hubs, to be described in greater detail during following sections, are further stimulating country actions on the ground. During 2014, the SE4All Global Facilitation Team has contributed to encouraging, developing and establishing more such linkages, in order to facilitate new activities, as well as to speed up and scale up existing actions.

In the three years since the launch of Sustainable Energy for All in 2011, more than 85 developing countries have joined the global partnership, indicating their interest in working with SE4All. The list of developing country partners includes:

Africa and the Middle East (44): Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo, Côte d'Ivoire, Democratic Republic of Congo, Egypt, Equatorial Guinea, Ethiopia, Gabon, the Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lebanon, Lesotho, Liberia, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

Latin America and the Caribbean (21): Argentina, Barbados, Belize, Bolivia, Colombia, Costa Rica, Dominican Republic, Ecuador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Peru, St. Vincent and the Grenadines, Suriname, Trinidad and Tobago, Uruguay.

Asia-Pacific (14): Afghanistan, Bangladesh, Bhutan, Cambodia, Fiji, Indonesia, Laos, Malaysia, Mongolia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka.

Europe and CIS (6): Armenia, Kyrgyzstan, Moldova, Montenegro, Turkey, Tajikistan.

¹⁴ SE4All country action: www.SE4All.org/actions-commitments/country-level-actions

Adding also countries with officials on the SE4All Advisory Board, as well as donor countries to SE4All's core activities, the total number of SE4All country partners totals over 100.

Accelerating SE4All country action

With the support of development partners, regional development banks, the World Bank and UNDP, more than 40 developing countries have initiated SE4All Rapid Assessments or Gap Analyses to help determine the main challenges and opportunities in achieving the three objectives of Sustainable Energy for All. In essence, Rapid Assessments and Gap Analyses describe the status of energy in the national development context, providing political, economic, social and environmental background for the subsequent drafting of plans to promote SE4All in a particular country. Key SE4All partners have also agreed on a Country Action Reference Document (CARD), providing guidance to partners on the SE4All country action process. In addition, the SE4All Action Agenda template provides concrete guidance to developing country partners, particularly in Africa. Its development was led by the SE4All Africa Hub, hosted by the African Development Bank (AfDB). For more information about the important roles played by the AfDB, the Asian Development Bank and the Inter-American Development Bank as SE4All regional hubs, please see relevant boxes below.

In 2014, the first phase of the country action process has focused on 30 initial countries, including production of SE4All Country Action Agendas and Investment Prospectuses for each of them. The countries were identified based on the availability of programmes and funding, geographical mix, existing enabling environments and readiness to start working immediately. These first-phase focus countries are: Bangladesh, Barbados, Bhutan, Bolivia, Burkina Faso, Burundi, Cambodia, Ecuador, Ethiopia, Fiji, the Gambia, Ghana, Guinea, Honduras, Kenya, Liberia, Mexico, Mozambique, Myanmar, Nepal, Nicaragua, Pakistan, Peru, Rwanda, Senegal, Sierra Leone, Tajikistan, Tanzania, Uganda and Uruguay. In many more countries, SE4All partners are working to implement and finance transformative energy projects, including through the development of SE4All Country Action Agendas and Investment Prospectuses, but also energy policies, rural electrification plans, and strategies for scaling up renewable energy, energy efficiency and clean cooking solutions.

Partners supporting country action

Some prominent initiatives supporting actions at country level include the European Union's EUR 40 million SE4All Technical Assistance Facility for Africa, active already in about 15 countries, and a second EUR 10 million EU facility covering Asia and the Pacific and Latin America and the Caribbean, which will become operational in 2015. In addition, the EU recently launched a rural electrification financing scheme in support of SE4All objectives. The United Kingdom, through the Department for International Development (DFID), approved support to a new Green Mini-Grids Africa programme in Kenya and Tanzania, plus an Africa Regional Facility in co-operation with the African Development Bank and the World Bank/ESMAP. During 2014, the US Power Africa initiative was supplemented by the new Beyond the Grid initiative in support of ensuring energy access in sub-Saharan Africa. Meanwhile, the Energy+ initiative, launched by Norway in 2011, has grown to include more than 50 countries and organizations. The energy access partnership Energising Development (EnDev), backed by six developed countries, is also making good progress. For more information on these different initiatives, please refer to boxes throughout this section.

The World Bank's Energy Sector Management Assistance Program (ESMAP) has received \$15 million in funding from donors to support SE4All Investment Prospectus development. The SE4All Technical Assistance Program, or S-TAP, is a specialized vehicle in direct support of this partnership, and the first tranche is working to expand energy access in 10 countries: Burundi, Guatemala, Guinea, Honduras, Liberia, Mozambique, Myanmar, Nepal, Nicaragua and Senegal. It is also supporting technical and financing studies to help strengthen the regional power trade in sub-Saharan Africa.

A City Energy Efficiency Transformation Initiative has also been launched by ESMAP, covering 50 cities worldwide. A total of \$4.3 million in grants has been allocated to city projects in Brazil, China, Macedonia, Pakistan, South Africa and Ukraine, as well as to the global component of the International Finance Corporation (IFC)'s EDGE Green Building Market Transformation Program. These projects cover street lighting, buildings, transport, water and wastewater, solid waste, heat and power and industry.

Lighting Africa, an IFC and World Bank programme, aims to increase access to modern off-grid lighting in sub-Saharan Africa by mobilizing the private sector. It has helped 13.5 million people in Africa gain access to clean lighting and better access to energy. The long-term goal is to enable the private sector to reach 250 million people with modern lighting products by 2030. Plans are under way to increase geographic coverage from the current eight countries.

“ Without a reliable supply of electricity, vaccines, blood and medicines cannot be safely stored, equipment cannot be properly sterilized, equipment may be damaged or disabled due to power surges and operating rooms have to shut down at twilight. ”

Margaret Chan,
Director General, World Health Organization and
SE4All Advisory Board member

The International Renewable Energy Agency, as the Sustainable Energy for All renewable energy hub, is actively engaged through the SE4All Global Facilitation Team and directly with other Regional and Thematic SE4All Hubs. For example, IRENA has initiated discussions with Rwanda, the Gambia, the SE4All Africa Hub in the African Development Bank, UNDP and the African Union's New Partnership for Africa's Development (NEPAD) to partner in the development of SE4All Country Action Agendas and Investment Prospectuses. To date, IRENA has carried out 19 Renewables Readiness Assessments (RRA), as well as six REmap country reports. IRENA is further supporting the development of the National Renewable Energy Policy of the Economic Community of West African States (ECOWAS), which is administrated by the secretariat of the ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE). The policy is built on baseline power sector development projections, which is a key input in the development of the SE4All Action Agenda.

IRENA has also launched the SIDS Lighthouse initiative and the African Clean Energy Corridor, which will provide significant assistance for investments in renewable energy in Small Island Developing States (SIDS) and African countries. Both initiatives were launched in September 2014, at the Third International SIDS Conference in Apia, Samoa, and the UN Climate Summit in New York. The SIDS

Lighthouse initiative is a framework for action aimed at a programmatic deployment of renewables to enable their energy system transformation, by moving away from developing projects in isolation to a holistic approach that considers all relevant elements spanning policy and market frameworks, technology options and capacity building. The African Clean Energy Corridor is an IRENA initiative to promote a regional approach to the development and enabled deployment of renewable energy on the African continent, beginning with those countries that make up the Eastern Africa Power Pool and the Southern African Power Pool.

ENERGIA, the International Network on Gender and Sustainable Energy, has member organizations in 22 countries in Asia and Africa. A close SE4All partner, ENERGIA is a civil society organization working to make sustainable energy for all a reality on the ground with a focus on women's economic empowerment and gender equality. ENERGIA has launched a programme for scaling up energy access through women's economic empowerment, with support of EUR 12 million from the governments of Finland, the Netherlands, Norway, Sweden and the United Kingdom, as well as the Asian Development Bank. As part of the Women's Economic Empowerment (WEE) programme, it will provide technical and financial assistance to scale up proven business models to strengthen the capacity of 3,000 women entrepreneurs to deliver energy products and services to more than 2 million poor rural consumers in seven countries by 2017.

Fostering an enabling environment

Encouraging the growth of energy access enterprises focused on serving the untapped market of energy poor households can sometimes be a challenge. Although their models may be workable, the barriers of limited financing, limited capacity and other pitfalls common to small and medium enterprises stand in their way. To address these challenges, the Asian Development Bank, as the SE4All Asia-Pacific Hub, has pioneered the Energy for All Initiative Project Development Facility (PDF). The PDF has been collaborating with business sector partners to increase energy access investments in Asia and the Pacific and encourage the growth of energy access enterprises through project development and investment facilitation. Through the PDF, credible projects are identified and demonstration projects are piloted. Also, partnerships are pursued with investors and financial institutions, and energy access enterprises are referred to the investment portfolio of the Asian Development Bank's operations departments. As a result, the PDF has already facilitated investments to eight energy access enterprises in the region. The ADB's success in implementing the Energy for All Initiative Project Development Facility has proven to be an effective formula for project development and investment facilitation that can be replicated in the region.

The Clean Energy Ministerial (CEM) and SE4All are working together to engage all stakeholders – governments, the private sector and civil society – in creating enabling environments for innovation and clean energy systems. The CEM is a high-level forum of major economies to share best practices and promote policies and programmes that encourage and facilitate the transition to a global clean energy economy. CEM initiatives coordinate with SE4All activities in many areas, including clean energy policy assistance, appliance efficiency policy, industrial efficiency, women's empowerment and quality assurance and technical support for energy access solutions, such as off-grid lighting/charging and mini-grids.

The Clean Energy Solutions Center is linked to the United Nations Environment Programme (UNEP) Climate Technology Centre and Network, providing fast-response clean energy policy assistance at no cost to countries around the world. The Clean Energy Solutions Center's no-cost expert policy assistance service has supported over 130 requests for policy support, including from the African Union, the Caribbean Community, Chile, Ghana, Guyana, India, Indonesia, Mauritius, Mexico, Micronesia, and South Africa. For example, the Solutions Center supported ECOWAS with the development of national renewable energy and energy efficiency plans. The Solutions Center is expanding its resources and roster of global experts to provide additional policy assistance on energy access via its knowledge platform, available to SE4All focus countries.¹⁵

¹⁵ Clean Energy Solutions Center platform: www.cleanenergysolutions.org

Partners making progress:

African Development Bank, host of the SE4All Africa Hub

The African Development Bank in partnership with the African Union, NEPAD and UNDP launched the SE4All Africa Hub in 2013, and is actively supporting African partner countries with the development of SE4All Country Action Agendas and Investment Prospectuses. Since its commitments at Rio+20 in 2012, the African Development Bank has approved projects totalling some \$2 billion that address the SE4All objectives of energy access, renewable energy and energy efficiency – mobilizing co-financing of \$4.5 billion. Furthermore, the Bank's Sustainable Energy Fund for Africa mobilized additional financing, incubated by the Africa Renewable Energy Fund, which saw the first two closings in 2014 with a total fund capital of \$131.5 million. The SE4All Africa Hub led the development of the SE4All Action Agenda template, which has since been promoted and validated at several regional workshops, including in partnership with key regional partners such as the ECOWAS Centre for Renewable Energy and Energy Efficiency. The AfDB hosted the African launch of the United Nations Decade of Sustainable for All during its annual meeting in Kigali in May 2014, and has provided support to the establishment of the African Energy Leaders Group.

Partners making progress:

Asian Development Bank, host of the SE4All Asia-Pacific Hub

The Asian Development Bank (ADB) is hosting the SE4All Regional Hub for Asia and the Pacific in partnership with UNDP and the UN Economic and Social Commission for Asia and the Pacific (UN-ESCAP). Leveraging the structures of its lead organizations, the hub will mobilize investment and identify innovative ways to bring clean, modern energy to people in the region. In 2013, ADB invested more than \$2.3 billion in clean energy (renewables and energy efficiency) and pledged to maintain investment levels of at least \$2 billion going forward. Also in 2013, ADB invested \$948 million to support provision of new or improved electricity connections to 1.7 million people, provision of improved electricity services to 500,000 households and utilization of 90,000 improved cookstoves. In 2014, ADB focused its activities in support of the development of mini-grid systems and channelled support amounting to \$30 million from the Clean Technology Fund.

ADB has conducted country-focused Investor Forums in Bangladesh, India, Indonesia, Myanmar and Nepal and organized a region-wide forum held annually at the ADB Headquarters in the Philippines. These events serve to introduce up-and-coming energy access companies to potential investors. The same approach of project development will also be used in the broader context of SE4All. Since the launch of the Asian Development Bank as the SE4All Asia-Pacific Hub in June 2014, the forums have increased collaboration in the region, partly due to coordination with the SE4All Global Facilitation Team, US State Department, World Bank, German Federal Enterprise for International Cooperation and government of Norway, among others.

Partners making progress:

Inter-American Development Bank, host of the SE4All Latin America and Caribbean Hub

The Inter-American Development Bank (IDB) is hosting the SE4All Latin America and Caribbean Hub in partnership with UNDP and the UN Economic Commission for Latin America and the Caribbean (UNECLAC). The IDB approved funds in 2014 for initiatives in rural sustainable electrification in Panama and Guatemala and for the continued promotion, support and development of sustainable energy in Bolivia and Haiti, among others. Other successful access programmes being implemented with IDB funds include rural electrification projects in Ecuador and Nicaragua. Funding for large renewable energy projects like solar and wind was approved in 2014 for Chile and Uruguay. In addition to these projects, which are specifically related to SE4All, other activities are aligned with SE4All pillars, e.g. the IDEAS Energy Innovation Contest, the LAC Renewable Energy Observatory and the Aviation Biojet fuel initiative and other biofuel activities for an additional \$5 million.

In 2014, the IDB and Novozymes signed a Memorandum of Understanding to provide funds for bioenergy support, specifically under SE4All. This effort was launched with the United Nations Food and Agriculture Organization (FAO) leading the global activities. Also in 2014, IDB President Luis Alberto Moreno pledged that the IDB would help all countries in the region who asked for assistance to create an SE4All Country Action Agenda for universalization of access to energy. The IDB has drafted such agendas for Ecuador and Nicaragua to promote planning in 2015.

“ My commitment to this task is guided by the knowledge that reliable energy access is a basic precondition for almost all aspects of modern life – from reliable and efficient lighting, heating and cooking, to manufacturing, agriculture, transportation, telecommunications and self-sustaining economic growth. ”

H.E. Ellen Johnson Sirleaf,

President of Liberia

(from the op-ed “Let’s Power Africa” in Foreign Policy)

Partners making progress:

Power Africa and Beyond the Grid: US investments in energy for sub-Saharan Africa

Announced by US President Barack Obama in June 2013, Power Africa* is an initiative to double the number of people with access to power in all of sub-Saharan Africa. Power Africa is working with partners throughout sub-Saharan Africa to add more than 30,000 megawatts (MW) of cleaner, more efficient electricity generation capacity and 60 million new electricity connections to increase energy access. The US Government has committed more than \$7 billion in financial support and loan guarantees. Every dollar the US Government has committed to Power Africa has leveraged almost 3 dollars in private sector investment commitments. Power Africa's financial partners have committed to providing over \$20 billion in project finance through direct loans, guarantee facilities and equity investments. Beyond the Grid, a new Power Africa initiative to unlock investment and growth specifically for off-grid and small-scale energy solutions, was announced in June 2014. Over 40 partners – including investors, foundations, clean-energy enterprises and practitioners – have committed to invest over \$1 billion over the next five years to seed and scale off-grid and small-scale energy solutions for millions of African homes, businesses, schools and other public facilities.

* www.usaid.gov/powerafrica

Partners making progress:

Brazilian Development Bank supporting the changing Brazilian energy landscape

Brazil is one of the world's top global biopower leaders, with 79.3 per cent of its domestic electricity supply coming from renewables. While hydro still plays a dominant role, other sources such as biomass and wind power have grown and now play a significant part. The financial support comes from the Brazilian Development Bank (BNDES), which offers its most favourable financial conditions to investments in renewables and energy efficiency. From 2004 to 2014, BNDES approved \$33.9 billion for hydro, \$7.7 billion for wind, \$2.8 billion for biomass and \$14.9 billion for other renewables – including sugarcane ethanol. In 2014 alone, the Bank approved 400 projects, excluding hydro and including 129 wind power plants. BNDES disbursement for hydro, renewables and energy efficiency in 2014 added up to \$6.3 billion.

Brazil has also taken important steps into the development of the solar sector: the first exclusive solar power auction resulted in more than 1 gigawatts in contracts for 31 solar utility-scale projects. Some of those investments will be funded by The Brazilian Climate Fund, a programme known as Fundo Clima that constitutes an important mechanism for the green economy. As part of Brazil's National Policy on Climate Change, Fundo Clima is managed by the Ministry of the Environment and its refundable investments are channelled through by BNDES. These resources can be blended with those from other financial lines from BNDES to support larger-scale projects. Other important green growth initiatives in Brazil are related to energy efficiency, such as the creation of a national certification for efficient buildings and a public lighting modernization scheme that must be executed by municipalities or through public-private ventures. São Paulo City is one of the first to embrace these transformations, which may soon reach other municipalities.

Partners making progress:

European Commission grants to support energy access in sub-Saharan Africa

On 9 April 2014, the European Commission announced the results of the first call for proposals under an innovative programme for providing finance to bring electricity to the world's poorest citizens. NGOs, governments and private sector organizations competed to receive EU funding. Grants of EUR 126 million have been awarded for 21 projects across fifteen African countries to provide access to energy in rural areas, an amount that will be translated (through co-financing support by applicants) into projects costing more than EUR 205 million, bringing electricity to more than 2 million people. The countries that will benefit from this initiative are: Burkina Faso, Cameroon, Eritrea, Ethiopia, Kenya, Lesotho, Liberia, Madagascar, Malawi, Rwanda, Senegal, Sierra Leone, Tanzania, Uganda and Zimbabwe. Over the next seven years, the Commission aims to spend more than EUR 3 billion to support sustainable energy projects, with a special focus on 30 countries that selected energy as a focal sector of cooperation. These funds would leverage investments of EUR 15 billion to EUR 30 billion.

Partners making progress:

Norway's Energy+ initiative and new '1 Gigaton Coalition'

To help poor countries access energy while curbing their emissions, Norway launched the Energy+ partnership in 2011. This international energy and climate partnership has entered into agreements with Bhutan, Ethiopia, Kenya, Liberia and Nepal. Overall, about 55 countries and organizations have joined the Energy+ Partnership. Country-level action is moving forward. In Ethiopia, for example, the following results can be reported:

- » The number of cook stoves sold increased from 1.3 million in 2012 to 2.5 million in 2013, partly attributed to Energy+;
- » 23,000 solar home systems units were installed in 2013;
- » A target was set of 12,000 rural diesel-powered water pumping stations, and a pilot project is replacing diesel generators with 40 solar-powered and 30 wind-powered pump stations;
- » A target of 20,000 biogas digesters was set, and activities initiated in cooperation with SNV Netherlands Development Organization.

In response to the climate mandate of the Energy+ Partnership, Norway launched the '1 Gigaton Coalition' in December 2014 at the Climate Change Conference in Lima (COP20). The 1 Gigaton Coalition will support countries to measure and report reductions of greenhouse gas (GHG) emissions resulting from their activities and initiatives in the energy sector. The aim is to mobilize action in the energy sector to reduce the emissions gap.

Partners making progress:

The United Arab Emirates' grants and awards for renewable energy efforts

The United Arab Emirates (UAE) has continued to expand both its international and domestic work in support of Sustainable Energy for All, mobilizing over \$700 million in development assistance since 2013 for renewable energy projects, alongside rapid growth in its commercial investments (see more about Masdar in section 2.2). Notably, from January 2014 to January 2015, the UAE established grant project agreements with nine Pacific Island Countries for solar and wind projects, with one project completed (Samoa), four under construction (Fiji, Kiribati, Tuvalu and Vanuatu) and four entering technical design (Marshall Islands, Nauru, Palau and Solomon Islands). The UAE, as part of its commitment to the International Renewable Energy Agency and renewable energy deployment, has made \$350 million available through the Abu Dhabi Fund for Development.* The UAE has also announced two rounds of awards under the Zayed Future Energy Prize, the world's largest prize for clean energy innovations at \$4 million, with categories including non-profits, small and medium enterprises, high schools and lifetime achievement.

* Abu Dhabi Fund for Development: www.adfd.ae/pages/default.aspx and www.irena.org/adfd

“Energy is the lifeblood that fuels sustainable development. Our dependence on imported fossil fuel is ultimately unsustainable.”

Honourable Tuilaepa Lufesoliai Sailele Malielegaoi,
Prime Minister of Samoa

Partners making progress:

Energising Development engagement in 24 developing countries

The energy access partnership programme Energising Development (EnDev) is financed by six donor countries: Australia, Germany, the Netherlands, Norway, Switzerland and the United Kingdom. It is implemented by GIZ in close cooperation with the Netherlands Enterprise Agency (RVO) and other implementing partners. Energising Development promotes sustainable access to modern energy services that meet the needs of the poor. Currently, EnDev is implemented in 24 developing countries in Africa, Asia and Latin America. The aim is to achieve access for a minimum of 15 million people worldwide by 2018. EnDev is well on its way to achieving its goal: by mid-2014, it had expanded sustainable access for 12.95 million people, 15,000 social institutions and 28,500 small enterprises.

Partners making progress:

The OPEC Fund for International Development's continued fight against energy poverty

The OPEC Fund for International Development (OFID) has been a champion in the fight against energy poverty in all regions of the developing world – driven by the belief that human development and energy use are inseparably linked. In November 2007, the Riyadh Declaration of the Third OPEC Summit called upon OFID to continue its efforts in energy poverty alleviation. OFID launched its Energy for the Poor Initiative (EPI) in 2008. In June 2012, at the Rio+20 conference, the OFID Ministerial Council in its declaration pledged a revolving amount of \$1 billion to finance EPI.

From 2013 to 2014, OFID approved \$560 million for energy projects through its public, private and trade finance windows of operation. It also extended 26 grants with a total amount of \$11.5 million. These resources have added to OFID's overall portfolio in energy access initiatives, which have benefited more than 80 countries through a diverse range of projects, including construction and rehabilitation of energy infrastructure, institution strengthening, funding research, providing low-cost grassroots solutions and capacity building.

OFID, an SE4All partner since 2011, has carried out two initiatives within the SE4All framework. OFID hosted the inaugural meeting of the SE4All Energy Access Sub-Committee in April 2014 to prepare recommendations to the SE4All Advisory Board. OFID also organized a two-day symposium on 'Petroleum Industry Support for Universal Energy Access' to reaffirm the industry's corporate social responsibility towards the billions of people in developing countries who lack access to modern energy services. Co-organized by the World Petroleum Congress in November 2014 in Vienna, the symposium was attended by high-level representatives from national and international oil companies.

Partners making progress:

United States engagements with Bangladesh and Ghana

The US Government, through the State Department's Bureau of Energy Resources (ENR), has invested more than \$1 million to date, principally in the country action stream of SE4All, by providing technical assistance to SE4All Country Action in Bangladesh and Ghana. ENR has led the international partners in Bangladesh and Ghana, two of SE4All's initial 30 focus countries for action. In each country, ENR's country action efforts have coordinated multiparty teams consisting of multilateral development banks, donors (Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), KfW, UNDP and USAID, among other partners) and the private sector for the purpose of accelerating the engagement of investors in new private-sector energy access projects.

In Bangladesh, US efforts resulted in the convening of the first SE4All Investor Forum that brought together project promoters, governments, commercial banks and impact investors. The Bangladesh team is working on a draft Investment Prospectus, which will identify projects as meeting the SE4All criteria, underscore the most significant policy changes that need to be addressed and facilitate information exchange with other SE4All countries that can learn from the experience and approaches used in Bangladesh.

In Ghana, the multiparty partner team has established a project review process where project proposals/business plans are submitted to a multiparty financing working group consisting of the Government of Ghana, World Bank and African Development Bank, among others. A project is then analysed by an ENR-provided financial and economic model that expresses project costs and production in common metric format, simplifying project comparisons. The results will generally determine whether or not SE4All-Ghana would include a project proposal in its Investment Prospectus, which is in draft.

2.2 BUSINESS ACTION AND HIGH-IMPACT OPPORTUNITIES

Table 2: SE4All targets and achievements: Business Action and High-Impact Opportunities

3-YEAR TARGET (2013-2016)	ACHIEVEMENTS BY 2014
Large private investment in at least 10 partner countries	SE4All Investment Prospectuses under preparation in 12 countries.
Establish at least 30 High-Impact Opportunities (HIOs)	50 HIOs identified. Nine are in an advanced stage of development, of which four were presented at the SE4All Forum. Framework developed to govern engagement of SE4All with HIOs.
Additional tens of billions of dollars in voluntary commitments	More than \$50 billion committed to sustainable energy for all by the private sector.

SE4All Global Energy Efficiency Accelerator Platform

A SE4All innovation of 2014, the Global Energy Efficiency Accelerator Platform¹⁶ will become key in promoting multi-stakeholder action in the area of energy efficiency. The platform supports energy policies for cities, regions and countries around the world. It does not aim to duplicate any existing programme, but rather to accelerate existing initiatives through public-private partnerships. The Global Energy Efficiency Accelerator Platform is composed of SE4All Global Energy Efficiency Accelerators for six sectors, namely appliances, buildings, district energy, industry, lighting and transportation. A power sector Accelerator is also under consideration. The Accelerators gather existing initiatives from UNEP as well as new ones; some are building on SE4All High-Impact Opportunities. Private conveners of the Accelerators include Danfoss, the FIA Foundation, the International Copper Alliance, Johnson Controls, Philips and the United Nations Foundation.

All cities, regions and countries worldwide are invited to join the platform. They initially contact SE4All or one of its local partners (e.g. UNDP or a regional development bank) and then start working with the platform in order to identify needs, establish a roadmap and list financing opportunities. The platform, launched in September 2014 during the UN Climate Summit in New York, has about 40 participants, including from Bhutan (Thimphu), Nicaragua, Japan (Toyama), Malaysia (Iskandar), Mexico (Mexico City) and Poland (Warsaw). It was established in close cooperation with the Copenhagen Centre on Energy Efficiency, as the SE4All Energy Efficiency Hub. The Hub also hosts the platform's secretariat.

Prominent role of the private sector

A unique aspect of SE4All is the prominent role of the private sector alongside the public sector, civil society and multilateral organizations. Businesses value Sustainable Energy for All for the facilitation and brokering role it can play in enabling a policy dialogue with governments, which is seen as critical to reaching the three SE4All objectives by 2030.

¹⁶ SE4All Global Energy Efficiency Accelerator Platform: www.SE4All.org/energyefficiencyplatform

From the private sector, Sustainable Energy for All has attracted the personal engagement of leaders from globally recognized companies such as Accenture, Acciona, Bank of America, Bloomberg, EcoNet Wireless, Enel, Eskom, Eni, Masdar, Renault, Royal Dutch Shell and Statoil. Engagement takes the form of concrete commitments or active membership on the SE4All board and committees, or both. Especially worth highlighting is Bank of America's engagement through Chad Holliday's personal chairmanship of the SE4All Executive Committee, as well as his previous role as Co-Chair of the UN Secretary-General's High-Level Group on Sustainable Energy.

Partners making progress:

Bank of America delivering on its Rio+20 commitments

At the Rio+20 conference in 2012, Bank of America pledged to commit \$50 billion over 10 years to finance energy efficiency, renewable energy, energy access and other activities that advance the low-carbon economy. During the first of these 10 years, it delivered \$5.5 billion towards this ambitious goal. One key element of the activities undertaken was a significant increase in green bond transactions, including Bank of America itself issuing the world's first \$500 million benchmark-size corporate green bond in November 2013. To further support this market, it also co-authored the Green Bond Principles, published in January 2014, which provide guidance on the issuance process for green bonds, now supported by 25 banks around the world.

At the United Nations Secretary-General's Climate Summit in September 2014, Bank of America launched its Catalytic Finance Initiative (CFI), designed to catalyse at least \$10 billion of new investment into high-impact clean energy projects. Under CFI, Bank of America will commit \$1 billion in capital to investment structures that employ a range of de-risking tools, developed in conjunction with development finance institutions, insurance providers, foundations and institutional investors. The goal of the initiative is to make clean energy investments more financeable, particularly in emerging markets where project impact is often amplified – while at the same time addressing other large-scale issues, such as health, education and job creation.

“ We have this big market opportunity to find a way to provide energy to the 1.3 billion people that don't have electricity and to the nearly 3 billion people that really lack access to other energy. ”

Chad Holliday,
Member of the Board of Bank of America
and Chair of the SE4All Executive Committee

Partners making progress:

Enel enabling electricity in 20 countries worldwide

Enel, a multinational power company, is strongly committed to Sustainable Energy for All through 'Enabling Electricity', a programme launched by Enel at the end of 2011. Enel envisaged doubling the number of its beneficiaries worldwide by the end of 2014 but reached the goal in advance, with over 2.3 million people worldwide already benefitting from Enel's energy access projects. Enabling Electricity is realizing over 30 projects in 20 countries based on innovative business models aimed both at people who live in isolated rural areas and those who live on the outskirts of major cities. The programme concerns various aspects of access to electricity: projects that guarantee basic access to energy and improve access to technology and infrastructures; initiatives that remove economic barriers in low income areas; and activities to develop and share knowledge and professional skills to support the training of qualified local operators who can assist the growth of the electricity market in emerging countries.

Partners making progress:

Masdar's development of wind and solar projects

Masdar is a commercially-driven renewable energy company and strategic government initiative based in Abu Dhabi, capital city of the United Arab Emirates. In addition to the progress made by the UAE (see section 2.1), Masdar offers an example of action on the commercial side of the clean energy industry. In 2014, Masdar announced another raft of major commercial projects, including a large stake in the 400 MW Dudgeon offshore wind project in the United Kingdom and development of a 117 MW wind farm in Jordan and a 50 MW wind farm in Oman. Dubai, the largest city in the UAE, additionally announced 100 MW of solar photovoltaics (solar PV), setting a world record for cost competitiveness that promises to reshape the global potential of the technology. These 2014 announcements join news from 2013 that included commissioning of the London Array, the world's largest offshore wind farm; Masdar's 100 MW Shams 1 in Abu Dhabi, one of the world's largest concentrated solar power plants; and a 13 MW solar PV plant in Dubai.

Partners making progress:

Accenture leading to ensure energy efficiency

Since 2011, Accenture has supported the inception and establishment of the Sustainable Energy for All initiative. During the first year of support, Accenture worked with the United Nations Global Compact to engage the private sector and outline the business case for action. During the second year, Accenture helped the establishment of the SE4All office in Vienna and the creation of a business plan, operating model and budget. During the third year, Accenture worked with the Global Facilitation Team to establish and lead the Energy Efficiency working group, set the governance structure, brought on board private sector partners and developed the engagement mechanism of the SE4All Global Energy Efficiency Accelerator Platform. At present, Jean-Marc Ollagnier, Chief Executive, Resources Operating Group at Accenture is a member of the SE4All Advisory Board and leads its Energy Efficiency sub-committee. The first step of the work was organising a workshop at Accenture in Paris, which resulted in the development of the Global Energy Efficiency Accelerator Platform concept. Since then, Accenture has further contributed to maturing the platform. It also co-leads the establishment of the sector accelerators on boarded private sector and jurisdictions.

“ The future of energy in the EU requires greater acts of efficiency by changing the strategic ways we behave in society. We believe that the largest source of renewable energy is the potential of saving energy. ”

José Manuel Entrecanales Domecq,
Chairman and CEO, Acciona

SE4All High-Impact Opportunities

In order to further stimulate public-private partnerships, SE4All High-Impact Opportunities (HIOs)¹⁷ are defined and conducted by partners, including businesses, NGOs, foundations, academics and entrepreneurs. HIOs are action areas that are likely to show significant potential to advance the three objectives of SE4All. HIOs serve as a collective for stakeholders working on various similar High-Impact Initiatives (HIIs), which themselves are deployment-oriented, on-the-ground programmes and projects working to support the vision of Sustainable Energy for All. By focusing on such initiatives, SE4All High-Impact Opportunities help to leverage Sustainable Energy for All's full convening power in a thematic high-impact area.

The SE4All Global Facilitation Team, including through its thematic and regional hubs, actively seeks out new High-Impact Opportunities and encourages participants to join them. High-Impact Opportunities require identifying leadership, mobilizing partners and defining a scope of work. A framework has been developed for formalizing the relationship, scope, role and responsibilities, accountabilities and monitoring and evaluation of the HIOs to operationalize those in advanced stages and provide momentum to others.

HIOs will effectively become depository collectives of expertise, proven solutions and innovation. Sustainable Energy for All also facilitates linkages between HIOs and actions taking place in countries that are pursuing the three SE4All objectives. HIOs enable partners to:

- » Cooperate with other organizations on similar objectives
- » Track and mobilize resources and investment
- » Overcome barriers that are difficult to tackle individually
- » Share best practices and coordinate activities
- » Develop and promote international standards
- » Broker new partnerships

¹⁷ SE4All High-Impact Opportunities: www.SE4All.org/actions-commitments/high-impact-opportunities

- » Access global decision-making on sustainable energy (e.g. through forums such as the World Economic Forum and Green Growth Action Alliance)
- » Acquire recognition through Sustainable Energy for All's reporting and events

To date, 50 High-Impact Opportunities have been identified. Six of these HIOs are already operationalized: Clean Energy Mini-Grids; Phase-out of Gas Flaring; Energy and Women's Health; Universal Adoption of Clean Cooking Solutions; Sustainable Bioenergy; and the Water-Energy-Food Nexus. Key achievements, plans ahead and opportunities for joining an HIO are available through SE4All's webpages.¹⁸

High-Impact Opportunity:

Universal Adoption of Clean Cooking Solutions

The SE4All HIO on the Universal Adoption of Clean Cooking Solutions* will support commitments made under the Global Alliance for Clean Cookstoves, as well as other aligned efforts, and promote the adoption of clean cooking solutions for those who lack safe and efficient cookstoves, fuels and related equipment. Some examples include programmes under the Global LPG Partnership and the World LP Gas Association. The Global Alliance for Clean Cookstoves, hosted by the United Nations Foundation, brings together more than 1,000 international and national partners who are pursuing a market-based approach to foster the adoption of clean cookstoves and fuels (such as ethanol or LPG) in 100 million households by 2020. The Alliance supports capacity building for entrepreneurs and increasing financing through mechanisms such as the Spark Fund, Pilot Innovation Fund and Women's Empowerment Fund. The Alliance has provided more than \$5 million in grants to date. Promoting the adoption of clean cooking solutions supports Sustainable Energy for All's objective of universal access to modern energy services.

* Clean Cooking Solutions HIO: www.SE4All.org/hio/universal-adoption-of-clean-cooking-solutions/

High-Impact Opportunity:

The Water-Energy-Food Nexus

The SE4All HIO on the Water-Energy-Food Nexus is a voluntary partnership of like-minded stakeholders that seeks to facilitate the development and deployment of sustainable Nexus solutions to aid SE4All in reaching its three objectives on energy access, efficiency and renewable energy. The HIO aims to promote consideration of the Nexus perspective and to support Nexus pilot projects. It provides an opportunity to entrench the Nexus perspective in the work programmes of relevant institutions in the energy sector. The HIO aims to engage in three major streams: Knowledge Management and Dissemination; Piloting and Innovation; and Policy and Programmatic Support at Country Level. In addition to their ongoing traditional activities, many HIO partners have taken over the management of individual additional initiatives, so-called High-Impact Initiatives (HIIs), to promote the integration of the Nexus perspective in different sub-areas. The HIO is being co-led by FAO and Germany (BMZ). It currently involves the following partners: GIZ, World Bank, IRENA, Renewable Energy and Energy Efficiency Partnership (REEEP), OPEC Fund for Development (OFID), Powering Agriculture (GIZ, USAID) and UNEP.

¹⁸ SE4All High-Impact Opportunities: www.SE4All.org/actions-commitments/high-impact-opportunities

High-Impact Opportunity:

Energy and Women's Health

The SE4All HIO on Energy and Women's Health* aims to increase access to, and encourage the effective and sustained use of, energy-dependent health services. The multidisciplinary effort is jointly led by the United Nations Foundation, UN Women and the World Health Organization, bringing together partners from the energy and health sectors, governments, business and civil society. In one example, sustainable electrification of health facilities is the focus of a United Nations Foundation team working with Ghana, Malawi and Uganda, among other countries. With support from the government of Norway, work is under way on data gathering and technical and design assessments to catalyze the electrification of health facilities, which will support health service delivery and contribute to the reduction of maternal and newborn mortality. In order to bring high-level attention to this important topic, the first two years of the United Nations Decade of Sustainable Energy for All has a special focus on Energy, Women, Children and Health.

* Women's and Children's Health HIO: www.SE4All.org/hio/energy-and-womens-health/

High-Impact Opportunity:

Clean Energy Mini-Grids

June 2014 saw the launch of the SE4All HIO on Clean Energy Mini-Grids, which to date has over 75 external partners.* The initial phase has been focused on building the structures for cooperation on the initiative, specifically the rationale and added value, structure and membership arrangements, and objectives and activities. During this period members of the HIO have also continued to develop and deliver their High-Impact Initiatives within the framework of the HIO. A coordination group including the Alliance for Rural Electrification (ARE), GIZ, EU Energy Initiative Partnership Dialogue Facility (EUEI PDF), United Nations Foundation, UNEP, the UK Department for International Development (DFID) and the SE4All Global Facilitation Team will guide the activities of the HIO during the first year of its operations, engaging a wider membership and coordinating startup activities.

* Clean Energy Mini-Grids HIO: www.SE4All.org/hio/clean-energy-mini-grids/

High-Impact Opportunity:

Sustainable Bioenergy

The SE4All HIO on Sustainable Bioenergy seeks to promote the development and deployment of sustainable bioenergy solutions in key sectors and industries where the environmental and socioeconomic benefits are greatest. In 2014, Novozymes successfully recruited nine additional founding partners: Accenture Development Partnerships, Bloomberg New Energy Finance, Carbon War Room, FAO, IEA, International Union for the Conservation of Nature (IUCN), KLM Royal Dutch Airlines, Roundtable on Sustainable Biomaterials and the United Nations Foundation. The founding partners serve as the HIO Steering Committee, which is co-chaired by FAO and IUCN. The Steering Committee met for the first time during the 2014 SE4All Forum and set the collaborative tone for recruiting project partners and catalyzing the creation of regional and sectoral Sustainable Bioenergy High-Impact Initiatives. HII's initiated in 2014 include the Smallholder Certification HII led by the Roundtable on Sustainable Biomaterials, the Aviation Bioport HII led by KLM, the LatAm HII co-led by Novozymes and the Inter-American Development Bank, and the Financing African Bioenergy HII co-led by PANGEA and Everest Energy. The HIO will now work to further incorporate sustainable bioenergy into the work of SE4All, so as to meet the challenges of achieving universal energy access and doubling the use of renewables.

High-Impact Opportunity:

Phase-out of Gas Flaring from Oil Production

Gas flaring wastes a valuable energy resource that could be used to advance the sustainable development of oil-producing countries. In sub-Saharan Africa alone, the annual amount of gas flared is equivalent to half the continent's power consumption. In 2014, the World Bank set a target date for ending routine gas flaring at oil production sites around the world. The 'Zero Routine Flaring by 2030' initiative brings together governments, oil companies and development institutions who recognize gas flaring is unsustainable from a resource management and environmental perspective, and who agree to accelerate efforts in a collaborative manner. The initiative will have a real impact on how countries and companies approach the development of new oil fields and on how they tackle the problem of ongoing 'legacy' flaring. Already, a dozen governments, oil companies and development institutions have endorsed the initiative prior to its planned official launch in the spring of 2015. The SE4All HIO on Phase-out of Gas Flaring from Oil Production* promotes multi-stakeholder cooperation.

* Phase-out of Gas Flaring from Oil Production HIO: www.SE4All.org/hio/phase-out-of-gas-flaring-from-oil-production/



Partners making progress:

The Global Lighting and Energy Access Partnership of the Clean Energy Ministerial

The Global Lighting and Energy Access Partnership (Global LEAP) aims to transform the global market for affordable, clean and quality-assured off-grid energy devices by addressing fundamental barriers to market development, such as the market spoiling that can occur when buyers have difficulty distinguishing between good and poor quality products. Global LEAP promotes energy access guiding principles, quality assurance, off-grid appliance efficiency and other related efforts. Global LEAP's work in developing a quality assurance framework for off-grid lighting products, in collaboration with the World Bank Group's Lighting Global programme, has catalyzed remarkable growth in this market, which also advances the goals of the SE4All HIO on Lighting and Charging. This quality assurance framework and corresponding test methods for off-grid lighting devices has been adopted as an international standard by the International Electrotechnical Commission (IEC), and Global LEAP is working with SE4All country action teams to promote its adoption in SE4All focus countries.

Global LEAP and its partners are also leading the integration of energy efficiency concepts in the off-grid context, with particular focus on high-efficiency off-grid appliances to facilitate access to higher levels of modern energy services. In addition to advancing SE4All objectives, Global LEAP was instrumental in the creation of the SE4All HIO on Clean Energy Mini-Grids through which it is advancing a quality assurance framework for mini-grids that is being developed in collaboration with the US Department of Energy and the US National Renewable Energy Laboratory. Global LEAP also co-leads the HIO's Knowledge Management and Quality Assurance working group.

Partners making progress:

The Global Environment Facility provides strong support for energy efficiency

The Global Environment Facility (GEF), a partnership for international cooperation where 183 countries work together to address global environmental issues, is a strong supporter of SE4All. The GEF CEO and Chairperson, Naoko Ishii, is a member of the SE4All Advisory Board. The GEF has provided financial support for several energy efficiency accelerators, including the Global Vehicle Fuel Economy Initiative, which is now part of the SE4All accelerators. To help kick-start the new accelerators announced in 2014, the GEF announced funding support for the European Bank for Reconstruction and Development's innovative global energy efficiency financing facility, which will build a global coalition to help small and medium sized enterprises adopt and finance efficiency efforts. The GEF is also providing funding support for the new accelerator for Energy Efficient Equipment and Appliances with UNEP and the International Copper Association, based on the successful en.lighten model. In 2014, GEF support for the efficiency accelerators totaled \$3.5 million. The GEF also completed its sixth replenishment in 2014, with an estimated \$750 million available for investment in sustainable energy projects aligned with SE4All objectives between 2014 and 2018.

2.3 GLOBAL ADVOCACY AND STAKEHOLDER ENGAGEMENT

Table 3: SE4All targets and achievements: Global Advocacy and Stakeholder Engagement

3-YEAR TARGET (2013-2016)	ACHIEVEMENTS BY 2014
Ensure energy as a global goal. UN Decade of Sustainable Energy for All 2014-2024 implemented	Energy proposed as one of the Sustainable Development Goals for the global post-2015 development agenda (work in progress). UN Decade of Sustainable Energy for All launched at the first SE4All Forum and around the world.
100 governments, 100 civil society organizations, 100 businesses engaged	More than 100 government partners; around 2,000 CSOs engaged through the SE4All Energy Access Practitioners Network. Increasing number of businesses engaged in HIOs and the new Global Energy Efficiency Accelerator Platform. Close cooperation with the UN Non-Governmental Liaison Service.
SE4All summits organized; civil society engagements increased	First annual SE4All Forum held June 2014 with more than 1,000 participants from all sectors. SE4All activities and event participation in all regions.

Achieving the three objectives of energy access, efficiency and renewable energy is within reach if all stakeholders come together and act. Sustainable Energy for All is a call to action for our collective future. Working together, it is possible to achieve a broad-based transformation of the world’s energy systems over the next 20 years and build a better world for our children and for generations yet to come.

Mobilizing action from stakeholders

Mobilizing action from all stakeholders is at the heart of the work of Sustainable Energy for All, since only engaged stakeholders can take the concrete steps needed to achieve the three core objectives. Many international organizations are also reinforcing the vision and objectives as set out by SE4All. For example, the World Bank Group’s energy-sector strategy is based on the three SE4All objectives and the IRENA Assembly has focused extensively on the third SE4All objective, to double the share of renewables in the global energy mix.

A key part of stakeholder engagement is to support crucial ongoing intergovernmental processes related to energy. Two prominent examples are the current efforts to establish a set of global Sustainable Development Goals for the post-2015 development agenda, as well as the activities relating to the United Nations Framework Convention on Climate Change. Energy has been centrally placed as goal number 7 in the proposals of the Open Working Group on Sustainable Development Goals.¹⁹ The proposed goal is to “ensure access to affordable, reliable, sustainable and modern energy for all”. The proposed goal and its accompanying targets on energy access, energy efficiency and renewable ener-

¹⁹ The General Assembly’s Open Working Group on Sustainable Development Goals: <http://sustainabledevelopment.un.org/owg.html>

gy are all consistent with the objectives of SE4All. The United Nations General Assembly is currently considering the proposal. Meanwhile, the Group of Friends of Sustainable Energy for All, a 34-country²⁰ Ambassadorial-level group launched in 2011 and based in New York, continues its informal exchanges, led by the UN Ambassadors of Denmark, Norway and Pakistan.

“ The good news is that access to energy is being integrated into the sustainable development goals and the post-2015 development agenda. Energy will be used as a powerful tool and a catalyst for poverty alleviation, health, education, job creation and climate adaptation. ”

H.E. Masood Khan,
Ambassador and Permanent Representative of
Pakistan to the United Nations and Co-Chair of the
Group of Friends of Sustainable Energy for All

Partners making progress:

The Energy Access Practitioner Network

The Energy Access Practitioner Network, a SE4All effort led by the United Nations Foundation, brings together around 2,000 members from a wide range of business, investor and civil society organizations working to deliver sustainable energy services in more than 170 countries.* The Practitioner Network focuses on the removal of market barriers to the effective delivery of decentralized energy services. A recent survey showed that, in the last year alone, some 21 million people were provided access to electricity for the first time through the activities of the network's members. A national network was launched in Ghana in 2013 and another is under development in India.

* SE4All Energy Access Practitioner Network: www.SE4All.org/about-us/practitioner-network

²⁰ Algeria, Australia, Austria, Brazil, China, Denmark, Ethiopia, France, Germany, Grenada, Hungary, India, Indonesia, Italy, Japan, Kenya, Mexico, Nepal, New Zealand, Norway, Pakistan, Papua New Guinea, Peru, Republic of Korea, Romania, Russia, Senegal, South Africa, Switzerland, Tanzania, Turkey, United Arab Emirates, United Kingdom, United States.

Engaging stakeholders at the SE4All Forum

Active engagement with a broad range of stakeholders is always a priority for SE4All, and is being deepened and expanded as SE4All enters a new and important phase. The first annual United Nations Sustainable Energy for All Forum aimed to strengthen contacts among different constituencies. The first day was set aside for a wide range of stakeholders to bring their different perspectives, to engage partners in constructive dialogue, in order to benefit from innovation, and to hear the many voices from the field that can inform our work. The Forum also incorporated the meeting of the SE4All Advisory Board. A highlight of the Forum was the global launch of the United Nations Decade of Sustainable Energy for All 2014-2024. On the last day of the Forum, a high-level dialogue was held on energy and the new global post-2015 development agenda, with the participation of 50 delegations, including many at ministerial level and above.

Among the Forum participants were representatives of the Self Employed Women's Association (SEWA), a member-based organization of 1.93 million poor, self-employed women workers in the informal economy. SEWA is a close SE4All partner with broad reach to many of the people at the heart of the challenges and opportunities of providing sustainable energy for all. SEWA's strategy is implemented by organizing women into cooperatives, which is a structure tailor-made to introduce livelihood security and energy inclusion, such as its support for solar-powered brine water pumps. SEWA helps in delivery of awareness through information, capacity building through skill development, introduction to relevant technology and participation in progress in the cooperative. It empowers women with bargaining power, helps them build savings, makes them attractive to financial organizations for providing credit, and aims to help every member escape poverty permanently.



SUSTAINABLE ENERGY FOR ALL FORUM

4-6 June 2014 • United Nations, New York

United Nations Sustainable Energy for All Forum

More than one thousand participants from governments, civil society, the private sector and international organizations attended the first annual SE4All Forum, held at UN Headquarters in New York from 4 to 6 June 2014.* More than 60 highly interactive sessions were organized in order to achieve the following objectives:

- » Report and assess progress on Sustainable Energy for All since the Rio+20 conference in 2012;
- » Inspire and mobilize further action, partnerships and commitments by showcasing success stories, innovation and best practices;
- » Grow the broader movement of global stakeholders by launching advocacy campaigns and outreach under the banner of the UN Decade of Sustainable Energy for All;
- » Contribute to shaping the direction of global energy policy for the crucial decades to come.

* The Forum, held for the first time in 2014, is intended to become the annual meeting place of the extended global energy community.

Partners making progress:

SEWA's Hariyali initiative replaces diesel with solar-powered water pumps

The Self Employed Women's Association is successfully scaling up its deployment of solar-powered brine water pumps in India. The pumps are used for producing salt. Called 'Hariyali', this initiative directly replaces diesel and demonstrates how energy access can deliver multiple positive impacts, such as to build sustainable livelihoods, reduce poverty, reduce carbon footprints, empower women and improve health, education and nutrition for the families of the women farmers. It is also a demonstration of a business model that is sustainable and replicable. The rollout of this initiative started in December 2014.

“ Solar energy is made available by nature to all – the poor should have an equal right to it in order to transform their lives. ”

Reema Nanavaty,
Director, Self Employed Women's Association, India

“ I have to spend half the day collecting fuel wood. So I cook only once a day. This is compulsory starvation for my family. ”

Gulara,
widow and member of SEWA in Gujarat, India

Energy leaders are growing the SE4All momentum in Africa

A recently launched African Energy Leaders Group (AELG)²¹ brings together African political and economic leaders to put energy issues high on the agenda for Africa's economic advance. The group is mobilizing investment and driving action on new solutions to energy challenges. The AELG will foster energy sector reforms, encourage innovative public-private partnerships, promote renewable energy, support technological innovation and seek ways to enhance economic gains through the value chain. It will also work to create integrated and commercially viable regional power pools by scaling up investment under existing regional pools and the African Development Bank Programme for Infrastructure Development in Africa. Providing universal access to reliable, affordable energy services and efficient appliances by 2030 is a key goal, in line with the SE4All vision and objectives.

²¹ African Energy Leaders Group (AELG): www.SE4All.org/wp-content/uploads/2014/08/SE4All_aelg.pdf

Two regional AELG sub-groups are being formed, in West Africa and Eastern Africa. Each sub-group includes heads of state and CEOs of major corporations that have a direct interest in energy issues, plus regional organizations, development banks and civil society organizations. The initiative is endorsed by the African Development Bank, African Union, ECOWAS and UNDP. The AELG will be supported by the SE4All Global Facilitation Team, the SE4All Africa Hub (hosted by the AfDB) and the ECOWAS Centre for Renewable Energy and Energy Efficiency (SE4All West Africa focal point).

“ The African Energy Leaders Group is a very good initiative. Right here we have investors, we have policy makers and we also have financiers. The combination of these three stakeholders will make this work very well. ”

Tony Elumelu,
Chairman of Heirs Holdings

UN Decade gives stakeholders a global platform

The United Nations Decade of Sustainable Energy for All 2014-2024 has become a key platform in engaging different stakeholders and communities all over the world. The United Nations General Assembly declared the Decade in 2012, and the UN Secretary-General was later given coordination responsibility for the activities throughout. The President of the United Nations General Assembly officially launched the Decade on 5 June 2014, during the first annual United Nations Sustainable Energy for All Forum. Regional and thematic launches of the Decade have been taking place around the world for different stakeholders. The second report²² of the Secretary-General on the Decade lays out a global plan of action with nine strategic objectives for the ten years – strategic objectives that are largely in line with the SE4All Global Action Agenda.²³

Collaboration within the United Nations: UN-Energy

The Special Representative of the Secretary-General for Sustainable Energy for All, Kandeh K. Yumkella, is also the Chair of UN-Energy. UN-Energy, the United Nations mechanism for inter-agency collaboration in the field of energy, was established in 2004 to help ensure coherence within the United Nations in the energy field. UN-Energy continues to support the work of UN agencies in the field of energy to enhance coherence among on-going processes, and to find a common path that will accelerate achievement of major global goals and objectives related to energy.

In 2014, UN-Energy focused on supporting the post-2015 development agenda, the General Assembly resolution on the United Nations Decade of Sustainable Energy for All, SE4All and the Rio+20 follow-up processes. UN-Energy published a report summarizing all current and future activities by UN-Energy member organizations in support of the UN Decade of Sustainable Energy for All. UN-Energy also produced a background document²⁴ on energy goals, targets and indicators for the Open Working Group on Sustainable Development Goals, providing technical guidance and important proposals for consideration during the deliberations of the Group.

²² Decade report: www.SE4All.org/wp-content/uploads/2014/10/Decade-report.pdf

²³ SE4All Action Agenda: www.un.org/wcm/webdav/site/sustainableenergyforall/shared/Documents/SEFA-Action%20Agenda-Final.pdf

²⁴ <http://www.un-energy.org/publications/11142-background-note-energy-a-brief-discussion-on-goals-targets-and-indicators>



UNITED NATIONS DECADE OF SUSTAINABLE ENERGY FOR ALL 2014-2024

United Nations Decade of Sustainable Energy for All 2014-2024

During its first year, 2014, the Decade inspired numerous launches and activities around the world:

- » Delhi Sustainable Development Summit, 5 February 2014, New Delhi, India
- » Pacific Regional Energy and Transport Ministers Meeting, 2 April 2014, Nadi, Fiji
- » Bloomberg Future of Energy Summit, 9 April 2014, New York, USA
- » African Development Bank Annual Meeting, 19 May 2014, Kigali, Rwanda
- » United Nations Sustainable Energy for All Forum, 5 June 2014, New York, USA
- » Asia Clean Energy Forum, 18 June 2014, Manila, Philippines
- » Student Energy Summits, 19-20 June 2014, Aberdeen, Cape Town, Mexico City, New York
- » XX Commonwealth Games, 24 July 2014, Glasgow, Scotland
- » Ministerial Conference on New Partnerships for the Development of Productive Capacities in Least Developed Countries, 28-31 July 2014, Cotonou, Benin
- » World Water Week, 31 August-5 September 2014, Stockholm, Sweden
- » 3rd International Conference on Small Island Developing States, 1-4 September 2014, Apia, Samoa
- » 2nd UN Conference on Landlocked Developing Countries, 3-5 September, Vienna, Austria
- » Regional meeting of Sustainable Energy for All in the Americas, 15 October 2014, Santiago, Chile



CLEAR MESSAGE:

The Pacific Energy and Transport Ministers Meeting in April 2014 “re-affirmed the region’s commitment to the vision of SE4All and to the achievement of its goals”.

Photo: Trym Oust Sonstad/SE4All

More recently, leading the effort by the Energy Technical Support Team, UN-Energy has recommended options for energy indicators that can be used to assess progress towards the proposed energy SDG and targets. UN-Energy has also initiated an effort in cooperation with some member organizations on a series of workshops on 'Capacity Development for Mainstreaming Energy Sustainable Development Goals, Targets and Indicators into National Statistical Programmes', to be implemented at a regional level in support of the post-2015 development agenda.

Momentum is growing: Declarations of political support

Many countries and regions have endorsed Sustainable Energy for All as a political priority through explicit declarations and commitments to action. Some examples include:

- » Oslo Conference on Energy for All (2011)
- » Conference of Energy Ministers of Africa (2012)
- » EU Sustainable Energy for All Summit (2012)
- » Ministerial Conference on Achieving Sustainable Energy for All in SIDS (2012)
- » 3rd Clean Energy Ministerial Conference (2012)
- » United Nations Conference on Sustainable Development (2012)
- » High-Level Meeting on Sustainable Energy for Least Developed Countries (LDCs) (2013)
- » Elysée Summit for Peace and Security in Africa (2013)
- » Pacific Energy and Transport Ministers Meeting (2014)
- » Ministerial Conference on New Partnerships for Productive Capacity Building in LDCs (2014)
- » Third International Conference on Small Island Developing States (2014)
- » Second United Nations Conference on Landlocked Developing Countries (2014)

2.4 COMMUNICATION AND OUTREACH

Table 4: SE4All targets and achievements: Communication and Outreach

3-YEAR TARGET (2013-2016)	ACHIEVEMENTS BY 2014
Increase subscriptions to newsletters and other communication	Newsletter sent to more than 4,000 readers quarterly. Some 13,000 followers on Twitter and 50,000 followers on Facebook.
Websites and media engagements revamped	New web pages fully operational. Extensive media coverage of most SE4All outreach activities. NASDAQ and Reuters screens displayed SE4All Forum commercial for the full day on 5 June 2014 during the first annual UN SE4All Forum.
SE4All logos and various branding materials for differentiated partners	A robust framework developed for use of brand/logos by partners.

Consistent communication and public outreach are essential elements in expanding awareness of SE4All and its many activities around the globe, especially in reaching stakeholders and our numerous partners and supporters. SE4All has a website (www.SE4All.org), supplemented by an electronic newsletter, in order to foster a three-way exchange between the private and public sectors, civil society and multilateral organizations, while also raising wider awareness of the challenges and solutions. The electronic newsletter²⁵ with a message from Special Representative Kandeh Yumkella is issued to 4,000 recipients, and is also accessible via the SE4All website. Both resources are providing up-to-date information on our global objectives, catalyzing significant actions and commitments to sustainable energy, advancing activities of partners and highlighting the progress attained. In addition, the United Nations Foundation supports the engagement of civil society through newsletters for both the SE4All Energy Access Practitioners Network and the Global Alliance for Clean Cookstoves.

Social media for SE4All

SE4All is active in social media, including Twitter (@SE4All) with more than 13,000 followers and Facebook (www.facebook.com/sustainableenergyforall) with over 50,000 followers.

To engage a wide range of stakeholders, SE4All is testing out new forms of outreach. In May 2014, SE4All Special Representative Kandeh Yumkella addressed the members of the global organization Student Energy through Twitter, in an interaction that attracted 100 questions, 2.6 million impressions and very positive feedback. Student Energy has 30,000 followers in 80 countries. In another example, former United States Vice-President Al Gore, fashion icon Gisele Bundchen and Special Representative Yumkella voiced their support for SE4All in a YouTube video²⁶ that was also aired on CNN.

On 5 June 2014, SE4All video clips ran on 37 NASDAQ and Reuters screens in New York's Times Square during the first SE4All Forum and the global launch of the United Nations Decade of Sustainable Energy for All. The rock band Linkin Park is a long-standing supporter of Sustainable Energy for All. Its vocalists, Chester Bennington and Mike Shinoda, were present at the UN Climate Summit in New York on 23 September 2014, raising awareness on energy access and renewable energy. They made inspiring statements at the UN and have dedicated one of their songs, 'Powerless', to the issue of energy poverty. In addition, Linkin Park is reaching out to their fans with a programme named 'Music for Relief – Power the World'.

“ Did you know that New York State uses more energy than all of sub-Saharan Africa? ”

Former US Vice-President Al Gore in YouTube video promoting Sustainable Energy for All, with fashion icon Gisele Bundchen and SRSG Kandeh K. Yumkella.

²⁵ SE4All Newsletters: <http://us3.campaign-archive2.com/?u=7538fc5f6603b063a8158282f&id=2c294c07c6>

²⁶ See video: <https://www.youtube.com/watch?v=l1VoPpLxllk>

Online platform for SE4All collaboration

A SE4All online Collaboration Platform, currently under development, allows for live communication among partners in an effort to synchronize mission planning and strategic coordination in the implementation of Sustainable Energy for All around the world. It also includes outreach to civil society organizations for sharing of information, consultations, multi-directional exchange of views, crowd sourcing of ideas and involvement of youth.

The platform provides this network with space for action-oriented collaboration in individual virtual working groups based on specific topics and/or geographic areas. The platform aggregates information provided by and exchanged between the entities populating the platform and makes this knowledge readily available and easily accessible. The platform also produces information and results that can be utilized to advocate and expand the initiative, mainly via the SE4All website. A test version of the Collaboration Platform has been launched internally and pilot-tested with a select group of partners, in order to determine further software development and needs.

2.5 KNOWLEDGE MANAGEMENT AND MONITORING AND REPORTING

Table 5: SE4All targets and achievements: Knowledge Management

3-YEAR TARGET (2013-2016)	ACHIEVEMENTS BY 2014
Annual best practices/lessons learned documents disseminated	Partners are producing and disseminating knowledge documents, e.g. REmap (IRENA), REN21 and the World Bank. A common knowledge platform is to be developed in a user-friendly format.
Tools and methodologies disseminated, used and refined	SE4All Global Tracking Framework produced, with a second version due mid-2015, including multi-tier energy access indicators and focus on inter-linkages. Work-complementing tools such as Readiness for Investment in Sustainable Energy (RISE) developed. A State of Energy Access Report (SEAR) will be released in early 2016 to provide assessment of factors underlying successes and failures in increasing access.
Collaboration with existing centers/initiatives functional	Knowledge Hub established in the World Bank. Collaboration Platform developed for coordination, CSO interaction and knowledge management.

Table 6: SE4All targets and achievements: Monitoring and Reporting

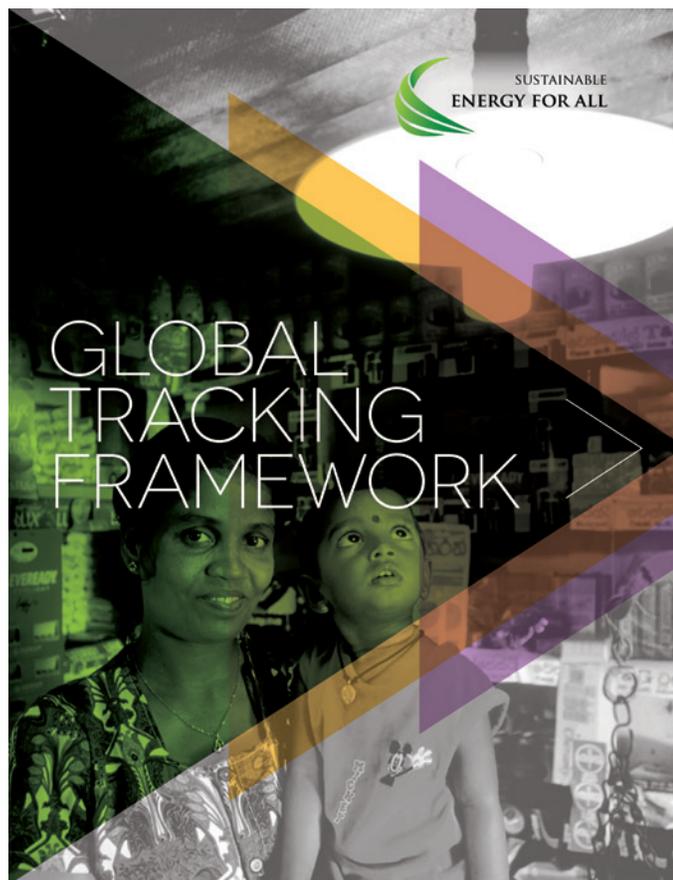
3-YEAR TARGET (2013-2016)	ACHIEVEMENTS BY 2014
SE4All Global Tracking Framework reports done regularly	First Global Tracking Framework of 2013 widely distributed. Second Global Tracking Framework to be launched by mid-2015.
SE4All annual reports to gradually provide a basis for a tracking	First SE4All Annual Report prepared. An accountability framework has been developed to provide a basis for tracking commitments.

The World Bank hosts the SE4All Knowledge Hub, in order to ensure progress on tracking, reporting and data management. With its wealth of experience in promoting and tracking impact of energy initiatives, the World Bank's insight is a key to the accountability, transparency and tracking of Sustainable Energy for All's global progress. Doing so clarifies where the initiative stands, how various actions are contributing to SE4All's three objectives, how much remains to be accomplished and where more action is needed to achieve sustainable energy for all by 2030.

A framework for tracking progress

A major first step has been the development of the Sustainable Energy for All Global Tracking Framework.²⁷ By establishing baseline energy data, it will provide regular updates on trends in energy access, renewable energy and energy efficiency. The Global Tracking Framework is a global data platform and monitoring system designed to support Sustainable Energy for All, and to allow rigorous and transparent monitoring of progress towards the three SE4All objectives. In that sense, it provides the energy sector with a tracking capability equivalent to that developed by the WHO-UNICEF Joint Monitoring Programme for Water and Sanitation, which contributes to tracking the Millennium Development Goal target on water and sanitation. The Global Tracking Framework should also become a very useful tool for reviewing progress towards the proposed Sustainable Development Goal for energy and its targets on energy access, efficiency and renewable energy, which are consistent with the three SE4All objectives.

A consortium of 15 agencies, co-led by the World Bank, ESMAP and the International Energy Agency (IEA), produced the original



METRICS MATTER: The impressive SE4All Global Tracking Framework weighed in at 289 pages. The next version is due in 2015.

²⁷ SE4All Global Tracking Framework: <http://www.SE4All.org/tracking-progress/>

Global Tracking Framework, published in May 2013. This consortium remains committed to publishing biennial updates, with the next report scheduled for publication by mid-2015. The second SE4All Global Tracking Framework will also begin to explore more formally the issue of linkages between energy and other key development sectors, such as food, gender, health and water. A number of additional agencies have joined the consortium to cover these issues, bringing the total number of agencies up to 23. In addition, the consortium is collaborating with the UN system on broader efforts to identify and improve the availability and quality of data for measuring energy development outcomes.

The first framework report established the baseline and proposed, in draft, a new methodology based on a tiered approach to measuring energy access. While this methodology is still being validated through extensive country-level studies, it has emerged as a significant development in understanding the qualitative differences in levels of energy access and how this impacts energy poverty. Future editions will address this issue more substantively. As a supplement to the framework, the SE4All Knowledge Hub is developing a pilot report on Readiness for Investment in Sustainable Energy (RISE), which is a tool for policy makers to understand the investment climate in different countries and act to take measures to improve it. RISE is a scorecard-type decision-making tool for policy makers and investors and provides information on investment enabling elements. Ultimately, it will contribute to achieving the SE4All objectives by informing country-level interventions and complementing parallel efforts at boosting access, reliability and sustainability of energy. The Knowledge Hub is also working on producing a comprehensive global State of Energy Access Report (SEAR), to be released in early 2016.

“ What you measure determines what you get. That is why it is critical to get measurement right and to collect the right data, which is what this report has done. It has charted a map for our achievement of sustainable energy for all and a way to track progress. Let the journey begin! ”

Kandeh K. Yumkella,
SRSB and CEO, Sustainable Energy for All,
on the SE4All Global Tracking Framework

Resources from IRENA

The International Renewable Energy Agency, in addition to contributing to the tracking framework, recently launched an online renewable energy knowledge platform, REsource. The platform provides free access to data and information on renewable energy, and enables users to easily find country-specific data and create customized charts and graphs. It also provides information on renewable energy market statistics, resource potentials, policies, finance, costs, benefits, innovations, education and other topics. REsource will be expanded in the years to come both in content and in sources of information, to provide comprehensive information on renewables worldwide.

IRENA, as the SE4All Renewable Energy Hub, has also launched the 'REmap 2030' report²⁸ to serve as a global roadmap for reaching SE4All's renewable energy target by 2030. The report concludes that scaling up of renewable energy to 36 per-cent of the world's total final energy consumption by 2030 is both possible and affordable. The economic case for the renewable energy transition is even stronger when socio-economic benefits are included. With these factors taken into account, switching to renewable energy results in savings of up to \$740 billion per year by 2030. The analysis shows that the deployment of renewable energy can reduce annual CO₂ emissions by 8.6 gigatons by 2030. Such emissions savings, combined with energy-efficiency gains, would be sufficient to set the world on a path to preventing catastrophic climate change.

IRENA has also produced country-specific REmap reports, including for China, Mexico and the United States. Developed in close cooperation with national experts, REmap country reports demonstrate that these countries can significantly increase the share of renewables in their national mix. They also show a range of options for countries to consider in their energy plans. Preparatory work has been initiated in the establishment of three REmap 2030 action teams focusing on the transport sector, energy efficiency and a REmap 2030 SE4All framework for cooperation.

Partners making progress:

United Kingdom support for SE4All engagements

During 2014, the United Kingdom (UK), through the UK Department for International Development (DFID), has focused its support on several SE4All efforts:

- » The SE4All Accountability Framework, to support tracking and reporting on voluntary commitments under the initiative;
- » The State of Energy Access Report developed by the SE4All Global Knowledge Hub: through funding impact evaluation studies and generating knowledge to inform policies and sector investments;
- » Renewable Energy Resource Mapping via support to ESMAP to produce validated maps on wind, solar and small hydro resources.

The UK has also led work on the High Impact Opportunity (HIO) on Clean Energy (Green) Mini-Grids. Additionally, it has recognized gender as an important part of the SE4All agenda and called for a focus of SE4All's activities to address this, now seen in part through the gender focus of the first two years of the UN Decade of Sustainable Energy for All.

In addition to direct SE4All support, the UK has contributed towards other international efforts in support of SE4All's targets and goals. For example, it has supported the following:

- » A DFID Ministerial-led campaign on clean energy access for girls and women, focused on improving the economic opportunities, safety and health of girls and women through clean, affordable and modern energy;
- » Gender-focused research in the clean energy sector, e.g. better addressing women's specific needs for modern energy services (led by ENERGIA, International Network on Gender and Sustainable Energy) and improving the evidence underlying the health, climate and environmental impacts of cooking with solid fuels (partly through the Global Alliance for Clean Cookstoves);
- » Support to the Ashden Awards, recognizing success in sustainable energy with a new international award category created, and Ashden's annual sustainable energy conference in 2014 being focused on women and girls as agents of change.*

* Ashden conference: www.ashden.org/conference/2014

²⁸ Remap 2030: <http://irena.org/remap/>

Monitoring for accountability

There is a continuous effort to improve the capability to monitor and report on all SE4All activities in an accountable manner, in line with the tracking framework and other knowledge management endeavours. In 2014, SE4All developed an Accountability Framework²⁹ to provide a means for measuring progress on the voluntary public-private commitments made to advance SE4All's three objectives. Together, the two frameworks for accountability and for tracking will ensure that Sustainable Energy for All is well defined and can successfully track both commitments to action and overall progress. Tracking progress at both levels in an accountable way will prompt ongoing dialogue and debate about the pace and scale of change that will enable participants and other stakeholders to revisit, refine and steer Action Agenda priorities to address changing needs at both national and global levels.

Partners making progress:

The International Energy Agency

In addition to co-leading work on the SE4All Global Tracking Framework, the International Energy Agency (IEA) has produced a wealth of energy statistics, analysis and policy advice supporting partners working on all three of the SE4All objectives in 2014. The IEA launched its first World Energy Investment Report in more than a decade, highlighting global energy investment trends and future investment and financing needs, and followed this up with its first-ever Africa Energy Outlook, which mapped the state of the energy sector across the region and presented detailed energy demand and supply projections to 2040. The IEA also published two companion manuals on data to help countries transform declarations into actions: 'Energy Efficiency Indicators: Fundamentals on Statistics' and 'Energy Efficiency Indicators: Essentials for Policy Making'.

2.6 GLOBAL FACILITATION TEAM AND HUBS OPERATIONS

Table 7: SE4All targets and achievements: Global Facilitation Team and Hubs Operations

3-YEAR TARGET (2013-2016)	ACHIEVEMENTS BY 2014
Global Facilitation Team fully staffed, operational and growing	GFT functional with offices in Vienna and New York.
GFT fully funded with increased resources from partners	Resources for GFT mobilized. GFT staffing progressing, if not quite yet at level needed, pending further funding.
Regional and Thematic SE4All Hubs formalized	Four regional hubs (Africa, Latin America and the Caribbean, Europe-Central Asia-Mediterranean and Asia and the Pacific) plus six thematic hubs launched.
New long-term arrangements in place	Long-term arrangements being further developed.

²⁹ SE4All Accountability Framework: www.SE4All.org/tracking-progress/accountability-framework

The SE4All Global Facilitation Team³⁰ was established in July 2013 and is led by the Special Representative of the Secretary-General for Sustainable Energy for All, Kandeh Yumkella, who is also the Chief Executive Officer of SE4All. The GFT has a staff of approximately 18, including three short-term consultants, and is located in Vienna. It also has a smaller team of four staff and four short-term consultants based in New York.

Table 8: Regional and Thematic SE4All Hubs

REGIONAL AND THEMATIC HUBS	HOST INSTITUTIONS AND COLLABORATORS
SE4All Africa Hub	African Development Bank in collaboration with the African Union, the New Partnership for Africa's Development and UNDP
SE4All Latin America and Caribbean Hub	Inter-American Development Bank in collaboration with the UN Economic Commission for Latin America and the Caribbean and UNDP
SE4All Asia-Pacific Hub	Asian Development Bank in collaboration with the UN Economic and Social Commission for Asia and the Pacific and UNDP
SE4All Europe-Central Asia-Mediterranean Hub	European Bank for Reconstruction and Development
SE4All Energy Efficiency Hub	Copenhagen Centre on Energy Efficiency, a joint activity of the Danish Government, UNEP and the Technical University of Denmark
SE4All Energy Efficiency Facilitating Hub	Energy Conservation Center, Japan
SE4All Renewable Energy Hub	International Renewable Energy Agency
SE4All Knowledge Hub	The World Bank, for tracking, reporting and data management
SE4All Capacity Building Hub	The Energy and Resources Institute
SE4All Bottom-of-the-Pyramid Hub	UNDP

Two guiding structures of SE4All have been established, namely the Executive Committee³¹ and the Advisory Board.³² The Advisory Board is fully operational and has now been organized into four standing committees to lead efforts for accelerating future actions in critical areas: energy access, energy efficiency, renewable energy and finance (see Chapter 3). In addition, ten Regional and Thematic SE4All

³⁰ SE4All Global Facilitation Team: www.SE4All.org/about-us/global-facilitation-team

³¹ SE4All Executive Committee: www.SE4All.org/about-us/executive-committee

³² SE4All Advisory Board: www.SE4All.org/about-us/advisory-board

Hubs³³ have been established around the world to provide the initiative with global reach (see Table 8). The SE4All effort is a global effort with a multitude of global partners. As it continues to evolve, the anticipation is to grow SE4All into an even more comprehensive global movement. The Global Facilitation Team will draw on the enormous capacities of the regional and thematic hubs within existing institutions, while itself continuing to serve as an overall global hub of hubs, as well as a focal point for SE4All partners from all corners of the globe.

Partners making progress:

The Energy and Resources Institute

The Energy and Resources Institute (TERI), an independent not-for-profit research organization in India, hosts the SE4All Capacity Building Hub. At the Rio+20 conference in 2012, TERI made a commitment to Sustainable Energy for All to impact 10 million lives by 2018, providing them access to clean lighting through solar and other clean technologies. Two years later, TERI is well on its way to achieving this target. It has already reached close to 2.5 million people. Based on the networks and partnerships that it is putting in place, it expects to impact close to 2 million lives each year, thereby achieving its target of 10 million by 2018. To ensure sustainability of its interventions, TERI has created a local-level market value chain by imparting continuous training and capacity building to mid-level entrepreneurs or energy enterprises for last mile delivery of lighting and cooking technologies and services to the rural poor. So far, about 200 such energy entrepreneurs have been trained by TERI and are operating at different levels across regions. Additionally, TERI is now working on expanding its partnerships globally to share its successful experiences with countries that have a similar context as the regions in India.

³³ SE4All Hubs: www.SE4All.org/hubs



United Nations building in Copenhagen leading the way in energy efficiency. Denmark 2014.
Photo: UNEP

THE SE4ALL ADVISORY BOARD AND ITS COMMITTEES

The SE4All Advisory Board is Co-Chaired by United Nations Secretary-General Ban Ki-moon and World Bank Group President Jim Yong Kim. The Advisory Board has about 50 multi-stakeholder and high-level members³⁴ (see Annex 1), including presidents, ministers, private sector CEOs, civil society leaders and heads of multilateral organizations. The Board has established four committees³⁵ to look into concrete ways of achieving action in the following areas:

- » Accelerating energy access
- » Scaling up deployment of renewables
- » Establishing energy efficiency partnerships
- » Scaling up finance for sustainable energy investments

Over the past year, significant progress has been made in all four committees. In June 2014, each committee delivered its first report to the Advisory Board during the first annual United Nations SE4All Forum. Highlights of each area are shown below, while work continues to progress in all streams.

Committee on Accelerating Energy Access³⁶

Co-led by H.R.H. Prince Abdulaziz bin Salman Al-Saud, Deputy Minister, Ministry of Petroleum and Mineral Resources and Chairman of the National Committee on the Clean Development Mechanism, Saudi Arabia; Reema Nanavaty, Secretary-General of the Self Employed Women's Association, India; and Andris Piebalgs, European Commissioner for Development (in office until October 2014).

The committee has finalized a set of 12 core recommendations to accelerate and achieve universal energy access, especially for the poor. These recommendations include key areas such as speaking to the development outcomes emerging from access to energy, taking a multi-sectoral approach and stimulating research and application on energy needs of the poor (especially in cooking solutions based on local service delivery). They also include policy advocacy, gender aspects, utilities to support energy access, promoting energy councils and SE4All Country Action Agendas, supporting innovative game changing initiatives in business and financing models for decentralized energy (which can be used by entrepreneurs, social enterprises, NGOs or local organizations), establishing a new financing facility and convening foundations as partners. The Committee is working to develop follow-up actions on the recommendations.

Committee on Scaling up Deployment of Renewables

Co-led by Adnan Amin, Director-General of the International Renewable Energy Agency, and José Manuel Entrecanales, President and Chief Executive Officer, Acciona.

The work of the renewable energy committee has focused on two immediate objectives: (1) developing a set of recommendations to advance the objective of doubling the share of renewable energy in the global mix by 2030, and (2) initiating a set of game-changing initiatives/instruments in support of the renewable objective. The committee set out three priority areas where strong action must be taken to advance the renewable energy agenda: knowledge management, policy and regulation and public support.

³⁴ SE4All Advisory Board: www.SE4All.org/about-us/advisory-board

³⁵ SE4All Advisory Board committees: www.SE4All.org/about-us/advisory-board-committees

³⁶ Energy Access report: www.SE4All.org/wp-content/uploads/2014/12/Energy-Access-Committee-Report.pdf



United Nations secretary-General, Ban Ki-moon, SE4All Advisory Board and other high-level participants at the first annual Sustainable Energy for All Forum. New York 2014. Photo: UN Photo

Committee on Establishing Energy Efficiency Partnerships³⁷

Co-led by Achim Steiner, Executive Director of UNEP; Jean-Marc Ollagnier, CEO of Accenture Resources; and Mogens Jensen, Minister of Trade and Development Cooperation, Denmark.

The committee has established a SE4All Global Energy Efficiency Accelerator Platform with energy efficiency accelerators in a selected number of sectors (see section 2.2). The SE4All Energy Efficiency Hub in Copenhagen will establish a dedicated secretariat to promote and coordinate the platform's activities in close cooperation with the SE4All Global Facilitation Team and the conveners of the different energy efficiency accelerators. During the Climate Summit in September 2014, Japan also announced the establishment of a new hub for energy efficiency facilitation in Tokyo.

Committee on Scaling Up Finance for Sustainable Energy Investments³⁸

Co-led by Luciano Coutinho, President of the Brazilian Development Bank (BNDES), and Purna Sagurti, Chairman of Global Corporate and Investment Banking, Bank of America Merrill Lynch (BAML).

The committee's expected outcomes will be: (1) a breakdown of energy investments needed per country and SE4All objective; (2) the creation/identification of financing instruments that show great promise, along with a profile of investors; (3) recommendations to address the challenges of project preparation for funding, improvements in the enabling environment and aggregation of micro-enterprises involved in delivering energy solutions to the base-of-pyramid market; and (4) the selection of pilot countries in which the financing instruments will be tested. The committee's draft report identifies the potential for catalyzing \$120 billion of incremental annual investment by 2020. Broad-based consultations have been held on the draft report, which will be finalized in early 2015 for presentation to the SE4All Advisory Board.

“ Development banks are very powerful tools for inclusive and sustainable development. ”

Luciano Coutinho,
President, Brazilian Development Bank

³⁷ Energy Efficiency report: www.SE4All.org/wp-content/uploads/2014/12/Energy-Efficiency-Committee-Report.pdf

³⁸ Finance report: www.SE4All.org/wp-content/uploads/2014/12/Finance-Committee-Report.pdf

FUNDING OF THE GLOBAL FACILITATION TEAM

The SE4All Global Facilitation Team Business Plan for 1 July 2013 to 30 June 2016 specifies that the team's budget requirements will be determined by its key deliverables and its functions. The intention of the budget is to parallel the ambition of the initiative. As time passes, the GFT will require more resources to deliver against its ambitious objectives.

As of 31 December 2014, a total of \$16.7 million had been received in cash to finance the GFT activities, and a further amount of approximately \$4.6 million had been pledged. The cash donations received/pledged so far are from the following funders:

- » Denmark
- » European Union
- » Germany
- » Iceland
- » Norway
- » Sweden
- » United Kingdom

Furthermore, significant and timely in-kind support was received from: Austria, France, Germany, Norway, the Republic of Korea and UNDP. This support has financed office rental and infrastructure, as well as key seconded human resources positions.

Overall, SE4All has received an enthusiastic response and support from governments, civil society organizations, business leaders, international organizations, academia, media and the financial sector. Thanks to the generous support of donors and partners, the GFT has made tremendous progress though it has not yet reached its full complement of staff. Further contributions are expected to be pledged in due course.

CHAPTER 5

THE WAY FORWARD

Sustainable Energy for All is making good progress in all areas prioritized in its Strategic Work Programme and three-year SE4All Global Facilitation Team Business Plan from July 2013 – June 2016: Country Action; Business Action, Investments and High-Impact Opportunities; Global Advocacy and Stakeholder Engagement; Communication and Outreach; Knowledge Management; and Monitoring and Reporting. Looking ahead, efforts will be even further scaled up in all of these different work streams. As one example, SE4All Country Action will be developed further in order to ensure palpable impact of SE4All on the ground. Further plans include: (1) an analysis of progress made in the 30 initial focus countries, (2) further refinement of the process, (3) expansion to additional partner countries, (4) promotion and marketing of the Action Agendas and Investment Prospectuses for political and financial support and (5) matchmaking activities for SE4All partners.

2015 provides an historic opportunity for SE4All and its partners to show how it can be a driver for change and a provider of solutions for how to achieve future Sustainable Development Goals and Climate change agreements. SE4All is already heavily engaged with all relevant processes, including the post-2015 deliberations, the Financing for Development (FFD) process, the G20 and the preparations for the 2015 UN Climate Change Conference (COP 21).

Joining the United Nations Member States and the UN system in supporting the post-2015 development agenda and climate change mitigation efforts is a global force of thousands of SE4All partners from the private and financial sector, civil society and international organizations, including national and regional development banks. This massive global network of actors from all sectors and regions is geared towards acting on the vision as set out by world leaders at Rio+20: “We are all determined to act to make sustainable energy for all a reality and, through this, help to eradicate poverty and lead to sustainable development and global prosperity”.

SE4All will aim to accelerate and scale up action by bringing even more partners on board. The launch of the United Nations Decade of Sustainable Energy for All 2014-2024 provides an excellent platform for inspiring even more stakeholders to become involved with issues relating to sustainable energy for all over the next ten years. The SE4All Global Facilitation Team, in close cooperation with regional and thematic hubs, will continue to bring partners together and facilitate action in an even more scaled up and accelerated manner. The first annual United Nations Sustainable Energy for All Forum proved to be a very valuable convening event for stakeholders, and it has laid the groundwork for an even bigger and better second United Nations SE4All Forum in May 2015.

“Poverty should not be a permanent state of being. Energy is a resource that can and should be available to all in order to alleviate them from poverty and to bring economic freedom to the world’s most impoverished places.”

Strive Masiyiwa,
Founder, Econet Wireless

In following up on this first SE4All Annual Report, the aim is to develop the report even further. Over time, the hope is to bring, on an annual basis, global assessments of the situation for energy sustainability, including updates on how the overall SE4All effort is contributing towards progress being made.

Sustainable Energy for All and the post-2015 development agenda

The United Nations General Assembly's Open Working Group on Sustainable Development Goals concluded its 18-month deliberations on 19 July 2014. The SDGs are expected to replace the Millennium Development Goals once these expire in 2015. Among the proposed SDGs is a global goal to "ensure access to affordable, reliable, sustainable and modern energy for all", accompanied by targets on energy access, energy efficiency and renewable energy – all consistent with the objectives of SE4All. Many amongst SE4All's thousands of cross-regional and multi-stakeholder partners say this consistency helps them prepare for the post-2015 development agenda to come. The Working Group proposal has been submitted to the UN General Assembly for consideration and appropriate action during 2015. Once the new agenda is adopted, it will be integrated into SE4All's ongoing activities. As such, SE4All, through its unique partnership between the UN, World Bank and so many other stakeholders, is well positioned to provide a platform for resource mobilization and implementation, building partnerships and tracking progress towards a global energy goal and targets for the post-2015 development agenda.

“ Now that we have embarked on the task of formulating the post-2015 development agenda, we must make sure that energy remains at the core of the new global development framework. ”

H.E. Hailemariam Desalegn,
Prime Minister of Ethiopia

Sustainable Energy for All and the 2015 UN Climate Conference

SE4All activities on the ground are considered supportive of the goals of the United Nations Framework Convention on Climate Change (UNFCCC). One of the multiple benefits of energy efficiency and renewable energy is climate change mitigation, and these two sectors are gaining more and more attention in the climate change arena. Recent research has proven that the greenhouse gas impact of universal energy access is very limited.* Overall, the three SE4All goals should be considered as a package that will allow the world to stay on track for a temperature increase limited to 2 degrees Celsius, a target with which the three SE4All objectives are compatible. SE4All is in close contact with the UNFCCC and participates in its work meetings on a regular basis. SE4All was also actively involved in the 20th Conference of Parties to the UNFCCC (COP 20) that took place in Peru in December 2014. It organized three side events on energy access, energy efficiency and potential cooperation with the municipality of Lima. SE4All is also working closely with the French government in preparation for COP 21 Climate Change Conference in Paris in December 2015.

* Nature Climate Change: "Household electricity access a trivial contributor to CO2 emissions growth in India"
www.nature.com/nclimate/journal/v4/n12/full/nclimate2414.html

“ Today, access to power generated from a small downhill stream is transforming the lives of women and children in a place in the middle of the deep rain forest of the north. We view this as our transformation story, improving lives, one innovation at a time. Today, Yandehun has the cleanest, most sustainable and affordable energy source in the country. ”

H.E. Axel M. Addy,
Minister of Commerce and Industry, Liberia

ADVISORY BOARD MEMBERS, JANUARY 2014 - MAY 2015*



Ban Ki-moon (Co-Chair)

Secretary-General,
United Nations



Jim Yong Kim (Co-Chair)

President,
World Bank Group



**Prince Abdulaziz Bin Salman
Bin Abdulaziz Al-Saud**

Deputy Minister of Petroleum
and Mineral Resources,
Saudi Arabia



Achim Steiner

Executive Director,
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Adnan Amin

Director-General,
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Alexei Texler

Deputy Minister of Energy,
Russia



Andris Piebalgs

Development Commissioner,
European Commission
(member until November 2014)



Neven Mimica

Development Commissioner,
European Commission
(member from November 2014)



Børge Brende

Foreign Minister,
Norway



Carter Roberts

President and CEO,
World Wildlife Fund-US

* The list includes members during 2014, as well as up to 4th Advisory Board meeting on May 2015, and is based on titles and roles during that time period. Please note that titles and roles, including relation to the SE4All Advisory Board, may have changed since. For an updated list, please see www.se4all.org/about-us/advisory-board



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Vice President,
World Wide Exploration,
Royal Dutch Shell



Donald Kaberuka

President,
African Development Bank



Edison Lobão

Minister of Mines and Energy,
Brazil
(member until December 2014)



Eduardo Braga

Minister of Mines and Energy,
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Chief Executive Officer and
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Gerd Müller

Federal Minister for Economic
Cooperation and Development,
Germany



Gyan Chandra Acharya

High Representative for Least
Developed Countries, Landlocked
Developing Countries and Small
Island Developing States,
United Nations



Helen Clark

Administrator,
United Nations Development
Programme and Chair,
UN Development Group



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Chief Executive Officer,
Statoil
(member until October 2014)



Eldar Sætre

Chief Executive Officer,
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José Antonio Meade Kuribreña

Secretary of Foreign Affairs,
Mexico



Jose Manuel Entrecanales

Chairman,
Acciona



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International Union for
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(member until December 2014)



Inger Andersen

Director General,
International Union for
Conservation of Nature
(member from January 2015)



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India
(member until November 2014)



Piyush Goyal

Minister of State with Independent
Charge for Power, Coal and New
and Renewable Energy,
India
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Klaus Schwab

Founder and Executive Chairman,
World Economic Forum



Khawaja Muhammad Asif

Federal Minister for
Water and Power,
Pakistan



Luis Alberto Moreno

President,
Inter-American Development Bank



Lutaf R. Kassam

Group Managing Director,
Industrial Promotion
Services Limited



Margaret Chan

Director-General,
World Health Organization



Maria van der Hoeven

Executive Director,
International Energy Agency



Marie-José Nadeau

Chair, World Energy Council;
Executive Vice President,
Corporate Affairs, and
Secretary General,
Hydro-Quebec



Mary Robinson

President,
Mary Robinson Foundation



Masahiko Horie

Ambassador for Global
Environmental Affairs,
Japan



Michael Liebreich

Founder and Advisory Board
Chairman,
Bloomberg New Energy Finance



Mogens Jensen

Minister for Trade and
Development Cooperation,
Denmark



Mustapha Bakkoury

Chief Executive Officer,
Moroccan Agency for
Solar Energy



Naoko Ishii

CEO and Chairperson,
Global Environment Facility



Olafur Ragnar Grimsson

President,
Iceland



Reema Nanavaty

General Secretary,
Self Employed Women's
Association



Michael Spindelegger

Federal Minister of Finance,
Austria
(member until June 2014)



Sebastian Kurz

Federal Minister for Foreign
Affairs and Integration,
Austria
(member from June 2014)



Sheila Oparaocha

Executive Secretary,
Energia



Strive Masiyiwa

Founder and Executive Chairman,
EcoNet Wireless



Suleiman Jasir Al-Herbish

Director-General,
OPEC Fund for International
Development



Sultan Ahmed Al Jaber

Minister of State,
United Arab Emirates;
Chairman,
Masdar



Suma Chakrabarti

President,
European Bank for
Reconstruction and Development



Takehiko Nakao

President,
Asian Development Bank



Tony O. Elumelu

Chairman,
Heirs Holdings and Transcorp;
Founder,
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Wu Xinxiong

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Nuer Baikeli

Vice Chairman of National Development and Reform Commission and Director of the National Energy Administration, China (member from January 2015)



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Minister of Transport,
South Africa
(member until August 2014)



Tina Joemat-Pettersson

Minister of Energy,
South Africa
(member from August 2014)



Jean-Marc Ollagnier

Chief Executive,
Accenture's Resources
operating group



John F. Kerry

Secretary of State
United States of America



Justine Greening

Secretary of State for
International Development,
United Kingdom



Li Yong

Director General,
United Nations Industrial
Development Organization

EXECUTIVE COMMITTEE MEMBERS IN 2014*



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Chair of the Board of Directors,
Bank of America



Andrew Steer

President and CEO,
World Resources Institute



Bob Orr

UN Assistant Secretary-General
for Policy Coordination and
Strategic Planning
(member until September 2014)



Jan Eliasson

UN Deputy Secretary-General
(member from October 2014)



Brian Dames

Chief Executive Officer,
Eskom



Carlos Pascual

Special Envoy and Coordinator,
US State Department
(member until June 2014)



Robert F. Ichord, Jr.

Deputy Assistant Secretary,
US Bureau of Energy Resources
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Hans Olav Ibrekk

Policy Director, Energy+,
Ministry of Foreign Affairs,
Norway



Klaus Rudischhauser

Deputy Director General,
Directorate-General for
Development and Cooperation,
EuropeAid



Leena Srivastava

Executive Director,
The Energy and Resources
Institute

* The list includes members during 2014, and is based on titles and roles during that year. Please note that titles and roles, including relation to the SE4All Executive Committee, may have changed since. For an updated list, please see www.se4all.org/about-us/executive-committee



Luciano Coutinho

President,
Brazilian Development Bank



Timothy Wirth

Vice Chair,
United Nations Foundation



Rachel Kyte

Vice President,
World Bank Group and
Special Envoy on Climate Change



Kandeh Yumkella (Ex officio)

Special Representative
of the Secretary-General and
CEO for Sustainable Energy for All

GET ENGAGED – JOIN THE SE4ALL EFFORTS

Whether you represent a government, the private sector, civil society, academia, a school, a multilateral organization or simply yourself and your good idea, you are invited to become involved with Sustainable Energy for All (SE4All).

Please contact:



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