SUSTAINABLE ENERGY FOR ALL FORUM

4-6 June 2014 • United Nations, New York

REPORT

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The first annual SE4All Forum and the United Nations Decade of Sustainable Energy for All 2014-2024 is launched at the United Nations. NASDAQ Times Square takes part in the celebrations.

From 4-6 June 2014, more than one thousand participants from governments, the private sector, civil society, and international organizations gathered for the first annual Sustainable Energy for All (SE4All) Forum in New York. The three days and close to 60 sessions featured more than 300 speakers from all sectors of society, and from all parts of the world, including more than 20 governmental participants at a ministerial level or above. The key objectives of the first annual SE4ALL Forum were to:

- Assess progress on Sustainable Energy for All since the United Nations Conference on Sustainable Development (Rio+20) in June 2012.
- Inspire and mobilize further action, partnerships and commitments by showcasing success stories, innovation and best practices.
- Grow the broader movement of civil society organizations and stakeholders by launching advocacy campaigns and outreach under the United Nations Decade of Sustainable Energy for All 2014-2024.
- Shape and set the direction for the global policy discourse on energy for the next crucial decades to come.

The SE4All Forum was organized as a high-level meeting by United Nations Secretary-General Ban Ki-moon and with the United Nations Headquarters in New York as its venue. Officially launched by the President of the General Assembly, the SE4All Forum marked the beginning of the United Nations Decade of Sustainable Energy for All 2014-2024, including its initial twoyear focus on Energy for Women, Children, and Health. The first SE4All Forum incorporated the meetings of the Sustainable Energy for All Advisory Board. On the last day of the Forum, more than 60 delegations participated in a High-Level Dialogue on Energy in the Post-2015 Development Agenda. The debate showed strong support for including energy as part of the new development framework, including in its Sustainable Development Goals (SDGs). Participants saw the new SE4All Forum as a useful meeting place and building block that should continue to contribute to sustainable development, not least through ensuring poverty eradication and the curbing of climate change. As such, a next crucial milestone would be the Climate Summit in September

Written statements from participants can be found at www.se4all. org/se4all-forum/statements. These web pages also contain photos and other relevant information from the three days of the SE4All Forum. The below reporting of the discussions during the SE4All Forum has benefited significantly from many partner organisations and individuals, and in particular the International Institute for Sustainable Development's Earth Negotiations Bulletin (IISD-ENB).

The opportunities are profound, from the poorest communities to the richest investors. The benefits will be felt throughout societies in all countries. That is why we must continue to build our initiative and bring more partners and stakeholders aboard. That is why we are here at this Forum.

United Nations Secretary-General Ban Ki-moon



BACKGROUND

In December 2010, the United Nations General Assembly, through resolution 65/151, declared 2012 as the International Year of Sustainable Energy for All. The resolution requested the United Nations Secretary-General to coordinate the activities of the International Year. As a response, United Nations Secretary-General Ban Kimoon launched the Sustainable Energy for All (SE4All) initiative, with its three interlinked objectives to be achieved by 2030:

- ensuring universal access to modern energy services;
- doubling the global rate of improvement in energy efficiency;
- doubling the share of renewable energy in the global energy mix.



Kandeh Yumkella, SRSG and CEO, SE4ALL

In June 2012, world leaders at the United Nations Conference on Sustainable Development (Rio+20) declared that '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'. Six months later, in December 2012, through resolution 67/215, the General Assembly unanimously decided to declare 2014-2024 as the United Nations Decade of Sustainable Energy for All, with the coordination mandate for the activities later to be given to the Secretary-General.

In order to support the achievement of sustainable energy for all, the Secretary-General has appointed Kandeh Yumkella as his Special Representative (SRSG) for Sustainable Energy for All. Dr. Yumkella also serves as the Chair of the coordination mechanism UN-Energy. The SE4All initiative is guided by its high-level, multi-stakeholder Advisory Board, which is Co-Chaired by United Nations Secretary-General Ban Ki-moon and World Bank President Jim Yong Kim. 85 developing countries have already opted in to the SE4All initiative and a wide range of partners from all sectors stand ready to support under the umbrella of SE4All. The Advisory Board has established Committees that are looking into concrete solutions in the fields of energy access, efficiency, renewables, and finance. Some results of this work were presented during the first SE4All Forum.



SE4All Advisory Board members and other high-level participants at the first annual SE4All Forum.

BRIEF SUMMARY OF THE SE4ALL FORUM

3.1 MULTI-STAKEHOLDER PARTNERSHIP DIALOGUES (SE4ALL FORUM, DAY 1)

Growing the movement: Under this theme, several panels were convened to address how civil society organizations and stakeholders can engage in advocacy campaigns and outreach under the United Nations Decade of Sustainable Energy for All 2014-2024. Thematically, the panels addressed two general issues: strong need for engaging civil society, and ways for women, youth and business partners to participate in the SE4All process. On the need to engage civil society, some panellists explained that civil society is proactively engaged in reaching the last mile population and has expressed keen interest to participate fully in SE4All. However, others noted that more capacity and resources are needed to reach full participation and engagement. Panelists considered ways to leverage multi-stakeholder partnerships based on the progress and lessons learned from Rio+20 SE4All commitments. As one example, it was noted that local entrepreneurship in the area of off-grid electrification has provided maximum impact, and has triggered the broader solar market. Some panelists described examples of successful initiatives on increasing involvement of women, youth and business partners in the SE4All process. Others noted the many risks confronting business and the importance of national policy development for building an effective international framework. In terms of youth engagement, it was noted that youth play an important role in facilitating the transition to a sustainable energy future.



Tsering Choden and Tashi Palden of the Manhattan Comprehensive Night and Day High School introduced the Green Track Programme, a finalist for the Zayed Future Energy Prize, during a session moderated by Bank of America and SE4All Executive Committee Chair Chad Holliday.

Catalyzing Investment Through Innovative Business Models: Under this theme, speakers noted the SE4All Energy Access Committee's recommendation to pursue off-grid, decentralized, bottom-up energy solutions and smaller-scale technologies. Participants called for more support from the public sector, which could take the form of, inter alia: reducing risks for small- and medium-scale renewable energy projects, such as solar; and reducing costs to operators, in order to engage smaller providers and ensure distributive access. It was noted that fuel economy policies have already improved fuel efficiency. Panelists highlighted that the private sector also has a role to play in complementing development finance and innovative financing for deployment, by scaling up investment for energy efficiency, which needs incremental investment of US\$300 billion, and by advancing fuel efficiency technologies. They also noted that collaboration between energy providers and microfinance institutions could strengthen supply. Speakers suggested local financial institutions could support the long-term sustainability of clean energy mini-grids and that the cost and complexity of mini-grids will fall as they achieve scale and standardization, while highlighting lack of capacity of financial intermediaries as a challenge for accelerating energy efficiency. Clean cookstoves served as a case study on this top-ic, with participants discussing the need to build market demand and attract investment, and ensure

not only the broad availability of stoves but also their adoption by users. Speakers cited the need for "patient capital" to encourage growth, and the close involvement of women at every stage to ensure success. One panelist gave SolarAid as another example of an innovative business model, describing it as an organization that unites both commercial and advocacy work. Speakers also highlighted pay-per-use approaches to energy access, rather than consumers' needing to own an entire system. However, the service providers need financing for inventory and consumers need financing for appliances.



Radha Muthiah, Executive Director of the Global Alliance for Clean Cookstoves

Parallel Multi-Stakeholders Sessions: A series of

multi-stakeholder panels addressed issues related to: women's empowerment; research and analysis; energy efficiency; wind for prosperity; and renewable energy, using Brazil as a case study. Many panelists underscored the academic and analytical developments in the areas of energy demand and energy efficiency policy. Several research developments and reports were discussed, including: the SE4All Knowledge Hub; Global Energy Assessment through the International Institute of Applied Systems Analysis; and the State of Energy Access Report through the Energy Sector Management Assistance Program. Other panelists offered their on-the-ground insights, with one panellist describing the life of Indian salt workers and how 70% of earnings used to go to buying diesel. She explained that, through solar pumps, salt workers have been able to dramatically increase income and savings. Stakeholders also discussed the transition to energy efficient appliances and equipment, specifically addressing national energy efficiency success stories. A Global Platform to accelerate the transition to efficient appliances and equipment was launched as part of this discussion.

Sharing Knowledge and Experiences, Developing Capacity: Panels discussed several specific initiatives and reports, including the Energy Access Practitioner Network, the 2014 Poor People's Energy Outlook Report, the SE4All Capacity Building Hub called "Specialized Training, Education and Experiential Resources (STEER)," and the Renewable Energy Policy Network for the 21st Century's (REN21) Global Renewables 2014 Global Status Report. Many panelists highlighted activities at the local level, such as the provision of finance to local entrepreneurs and rural areas, and smallscale, decentralized energy projects, while also emphasizing the importance of multi-stakeholder processes and private sector engagement. Recurrent themes were the importance of empowering



SocialGood interviewed many participants throughout the three days of the first SE4All Forum. The videos are available at YouTube.

women, and the linkages between energy access and health, water, food production, and transport. Several participants emphasized the need for a stand-alone Sustainable Development Goal (SDG) on securing sustainable energy for all, and said targets on renewables and energy efficiency need to be more ambitious than current ones in order to keep global temperature increases below 2°C.

Accelerating Country Action: During the parallel sessions on this theme, governments, regional development banks, international organizations and other stakeholders described different country-level initiatives. They noted that sustainable energy is not another aid problem, but is about investments and business models, and public policy is needed to incentivize the process. Government initiatives discussed included: the Tonga Energy Roadmap; promoting access to energy in Tanzania; Nicaragua's progress in renewable energy generation and efficiency; Ghana's work on access to energy and challenges with off-grid electrification; energy infrastructure development in Rwanda; Senegal's energy strategy and rural electrification programmes; Guinea's investment prospectus, which involves expanding the electricity network, using mini-grids, and expanding off-grid services to remote areas; Bangladesh's Investment Prospectus Framework and Vision 2021 "electricity for all" plan; and Guatemala's strategy on clean cookstoves and clean cooking solutions.

Donors and the private sector called for: more education; the use of development assistance to leverage public and private funds for energy development; increased access to finance and the inclusion of local financial institutions; innovative finance; development of outcome monitoring; the right kind of business model; risk mitigation; and making projects commercially viable. One panel examined the international energy and climate initiative, Energy+, which aims to fund energy access, renewable energy, and energy efficiency in low-income developing countries. Other speakers noted the need for political leadership, sustained commitment and an enabling policy environment. Regional energy partnerships for the promotion of sustainable industrial development and regional cooperation for scaling up access to modern energy were also mentioned. Some spoke about the roles of parliamentarians and public-private partnerships in accelerating national action. At the local level, it was noted that civil society can provide a "reality check" of policies' effectiveness, and that local communities, small enterprises, incubation centers in rural and semi-rural areas, and local entrepreneurs are all important parts of the solution.



Anurag Bhatnagar, Grassroot Trading Network for Women; Mohinder Gulati, SE4All; Reema Nanavaty, Self-Employed Women's Association (SEWA); Chad Holliday, Bank of America and SE4All Executive Committee Chair; Heeaben Dave, SEWA; Divuben Rathod, salt worker, SEWA, and Ramilaben Rohit, grassroots leader, SEWA.

In November 2013, celebrating ten years of the "Light for All" Program, we were able to reach the milestone of 15 million people served, meaning nowadays that more than 99% of the Brazilian population, over 200 million people, have electricity in their homes.

Altino Ventura Filho, Secretary of Energy Planning and Development, Brazil

3.2 THIRD SEAALL ADVISORY BOARD MEETING AND GLOBAL LEADERS DIALOGUES ON SUSTAINABLE ENERGY FOR ALL. LAUNCH OF THE UN DECADE OF SUSTAINABLE ENERGY FOR ALL 2014-2024 (SEAALL FORUM, DAY 2)



President of the United Nations General Assembly, John Ashe, and United Nations Secretary-General, Ban Ki-moon, launch the United Nations Decade of Sustainable Energy for All.

On Thursday 5 June 2014, UN Secretary-General Ban Ki-moon said that as a result of SE4All's efforts, a growing number of people "have light and power where there was none before." He described the new SE4All Forum as an annual meeting place for the global energy community, where it can assess progress and mobilize new partners, in order to shape a new energy future. Jim Yong Kim, President of the World Bank, speaking via video message, conveyed the World Bank Group's commitment to working with participants during the "action phase" of SE4All. UN General Assembly President John Ashe launched the UN Decade of Sustainable Energy for All 2014-2024, noting progress already made to consider a standalone goal on sustainable energy for all in the current draft of the proposed SDGs. The launch also included a launch of an initial two-year focus on Energy, Women, Children and Health. Iceland's President Ólafur Ragnar Grímsson offered his country as an example of how clean energy can provide a solid foundation for economic growth, based on Iceland's generation of 100% of its electricity and heating from renewable energy sources.

Andris Piebalgs, European Union (EU), Zhang Yuqing, National Energy Administration, China, Helen Clark, UN Development Programme (UNDP), Luis Alberto Moreno, Inter-American Development Bank, and Suma Chakrabarti, European Bank for Reconstruction and Development, supported the global launch of the UN Decade of Sustainable Energy for All. They highlighted the linkages between access to sustainable energy and poverty reduction, and the need for commitment, investment-friendly markets and innovative solutions to provide universal access to sustainable energy.

My presence here today bears witness to how one of the poorest nations in Europe has in the life-span of one generation moved away from fossil fuels and transformed itself into a leading example of a clean energy economy.

-Ólafur Ragnar Grímsson, President of Iceland

The challenge of providing sustainable, modern energy for all by 2030 can be done if we are all determined enough and willing to work together. And that is something worth being determined about.

Andris Piebalgs, Commissioner for Development, European Commission.

Third Meeting of the Sustainable Energy for All Advisory Board

Chad Holliday, Bank of America and SE4All, emphasized that action is needed in the next five years to fundamentally and sustainably change the energy system by 2030, and that we need to evaluate the risk-reward ratio of actions taken. Kandeh Yumkella, SE4All, highlighted the need to align politics, policy, pricing and partnerships, and called for investments of US\$600-800 billion per year over the next two decades to achieve the SE4All "energy revolution."

Advisory Board members agreed that the SE4All Forum, with its diverse multi-stakeholder attendance, had proven to be a unique platform for aligning actions and processes with the overall goal. They saw the Forum as an entry point and catalyst for assessing of progress, inspiring and mobilizing further action, announcing partnerships and commitments, and for growing the broader movement. Members also welcomed the announcement of the 2015 Forum, which, they agreed, should continue to accelerate global momentum by linking the results of individual, local, regional, national, and international actions and processes with the ambitious global objectives, continually renewing the dialogue about the nature, pace and scale of



Sheila Oparaocha, Network Coordinator and Programme Manager, International Network on Gender and Sustainable Energy (ENERGIA)

change. They saw it as important to ensure that sustainable energy stays at the forefront of political attention. Lastly, members encouraged all stakeholders to join next year's Forum to continue to build a global platform and network, to increase actions and efforts, and to contribute to the setting and shaping of the direction of the global policy discourse on energy.

Reporting on the Advisory Board Committee on Finance, Brazilian Development Bank President Luciano Coutinho summarized the scale of finance that needs to be increased, including an additional US\$45 billion for universal access and US\$394 billion for energy efficiency. Reporting on the Advisory Board Committee on Efficiency, Naoko Ishii, Global Environment Facility, highlighted the potential for efficiency gains through buildings, lighting, appliances, District Energy Systems, and transport. She cautioned that "silos" can hinder efficiency goals, but this can be overcome through a cohesive coalition of partners. Adnan Amin, IRENA, called for a knowledge framework to provide clear and accessible information on renewable energy to enable rational choices, and for debunking myths about renewable energy.

We should have a public-private partnership in which the public sector is capable of cross-subsidising, mitigating risk and creating the right conditions. And under such conditions I would be very optimistic that the private sector would come and invest.

Luciano Coutinho, President, Brazilian Development Bank

Klaus Rudischhauser, EuropeAid, said most people without energy are in rural areas, and noted that solutions will depend on civil society, particularly women. He stated that the entire government must be involved to ensure that energy access translates into health, education, and other development outcomes. In welcoming the impressive work of the Advisory Board Committees, UN Secretary-General Ban Ki-moon noted that there is clear evidence that doubling the share of renewable energy is economically viable and beneficial to all. He highlighted that strong partnerships can provide the necessary money, and that public funding commitments can be used as leverage for private funding. He closed by calling for leadership for action on climate change and on reducing energy waste.



Purna Saggurti, Chairman of Global Corporate and Investment Banking at Bank of America Merrill Lynch, and Luciano Coutinho, President of the Brazilian Development Bank.

Global Leaders Dialogues

During Thursday 5 June, six global leaders' dialogues were held as part of the SE4All Forum:

Catalyzing Large Scale Financing and Investment for Sustainable Energy for All: This panel examined how to bridge the gap between the needs of investors and the required \$600-800 billion to achieve the SE4All targets. Participants set forth a number of recommendations, including: targeting the growth areas of proceeds bonds, municipal green bonds, project bonds, and asset-backed securities; focusing on four thematic areas that need attention to close the funding gap: green bonds;

development finance institution private risk sharing; aggregation; and insurance; instituting favorable tax treatment to make renewable energy more competitive; using local commercial banks that can play an aggregating role and scale up energy efficiency projects; integrating markets, energy sources, and public and private efforts; and developing a programme to support organizational transformation of power utilities to improve their credit worthiness. The need for increasing capacity to develop a pipeline of bankable projects and to facilitate public-private partnership was reinforced by several speakers. One panelist underscored the need for a new, 21st-century paradigm for engaging communities and civil society during the project design process to include environmental values and stability. Another stressed the importance of a clear policy and regulatory framework, as well as incentives, to attract investors.

The Energy Linkages: This panel discussed linkages between sustainable energy and other issue areas, highlighting the central role of energy for all facets of sustainable development. Panelists paid particular attention to the energy-women nexus, stressing the need to recognize women not only in terms of the disproportionate impact on them, but also as agents of change and enablers of SE4All goals. They commended efforts to expand energy access to women and children, including through UN efforts such as the collaboration on women's health and energy between UN Women, the World Health Organization (WHO) and the UN Foundation. Speakers provided specific examples, such as on cookstoves, "solar suitcases" and electric spinning wheels, to show that clean energy interventions can provide health, environmental, economic, and security benefits. Some participants stressed the importance of political will to achieve the benefits of these nexuses and called for closer inter-ministry collaboration to engage relevant government departments in energy policy development. Others noted that new types of risk, such as climate change and severe weather events, will change the perspective on energy infrastructure development, and underscored the importance of national energy policies, which half of the world's countries have not yet developed.

Through the actions of SE4All, women's access to energy for cooking is now recognized as an essential element of the right to development – critical for health and survival. Access to energy is also recognized as an enabler for women's economic empowerment.

Sheila Oparaocha, Network Coordinator and Programme Manager, International Network on Gender and Sustainable Energy (ENERGIA)

Doubling the Share of Renewables in the Global Energy Mix: Several speakers stressed that this target is achievable, noting the reduction in solar energy costs by 70-80% in recent years, and that costs have come down enough for subsidies to also come down. Others drew attention to constraints or conditions: developed countries will need regulation to enable the shift to renewables; political leadership at the highest level is needed to reduce financing risk; and while technology is "taking care of itself," the high cost of financing remains a constraint. One speaker highlighted solar as a major wealth creation opportunity, but said the cost of capital hinders its growth. Participants debated whether solar and wind can drive the doubling of renewables in the global energy mix. These sources play a larger role in countries that focus their energy system on electricity, said one. Another said biomass will be a major part of achieving the target, given its current high share in the renewables mix. One speaker



Monty Jones, Special Advisor to the President and Ambassador-at-large, Sierra Leone; Salif Lamoussa Kabore, Minister for Mines, Quarries and Energy, Burkina Faso; Max Axi Gaye, Minister of Fisheries and Water Resources, the Gambia; and Idrissa Thiam, Minister of Energy and Water, Guinea.

expressed disappointment in the current cost of capital and high risk premiums placed on investments, despite the performance record of renewables in developing countries.

Ensuring Universal Access to Modern Energy Services: This panel identified some of the challenges and opportunities that face the SE4All objective of ensuring universal energy access. The panelists identified barriers that hinder access and opportunities for overcoming them, specifically through case studies. On opportunities to overcome energy barriers, panellists considered the need to: coordinate policies that affect energy issues; establish appropriate tariffs, prices and policies for stability and affordability; and close the "infrastructure gap" in Africa through finance. One panelist underscored the need to expedite energy access through capacity building, technology development and formation of "unusual partnerships." Another emphasized that the successful delivery of electricity to remote rural households can transform the lives of poor communities, especially youth and women. Panelists also noted that access to energy grids, while important, is not enough to solve the problem entirely; innovative solutions for affordability are needed to ensure access.

We install and promote energy access via solar energy. We have electrified more than 200,000 households in rural India over the last 20 years, and that is our basic bread and butter and life.

Harish Hande, Managing Director, SELCO India

Doubling the Global Rate of Improvement in Energy Efficiency: Participants considered ways for both private enterprises and governments to support energy efficiency. They noted that private enterprises need to see a higher rate of return from investing in energy efficiency projects, before they will take an interest in providing financing. On the role of governments, speakers highlighted urban planning for renewable energy, enforcing building codes for energy efficiency and encouraging companies to create jobs in green energy technology. Participants noted many governments' lack of financial capacity to incentivize the private sector. Several areas for public-private collaboration were suggested, including: a combination of credits provided by private enterprises, with subsidies provided by state institutions; education for both sectors; and cooperation to reduce gas flaring. One mentioned the importance of partnerships among governments.



Secretary-General Ban Ki-Moon with some of the private sector chief executives that attended the Sustainable Energy for All Forum. From the left: José Manuel Entrecanales, Chairman and Chief Executive Officer, ACCIONA; Kerry Adler, Founder, Director, President and Chief Executive Officer, SkyPower Global Group of Companies; Chad Holliday, Chairman, Bank of America; Purna Saggurti, Chairman of Global Corporate and Investment Banking, Bank of America Merrill Lynch; and Francesco Starace, Chief Executive Officer, Enel Green Power. UN Photo/Mark Garten

Catalyzing Bottom-up Financing and Investment for Sustainable Energy for All: This panel discussed reaching the poor and improving sustainable energy for all at the "bottom of the pyramid." Participants stressed that different categories of poor people have different finance needs. Drawing from concrete country initiatives and projects, panelists identified the need for: rural banks and finance for rural entrepreneurs; government to make energy more affordable, accessible and reliable; engagement with the private sector; more innovative financing solutions, such as mobile phone and pay-as-you-go technology for finance; communities to organize themselves, for example through integrated grids that communities own and manage; upfront capital investments and strong leadership to support countries in special situations; measures to accelerate renewable energy use through incentives such as feed-in tariffs for geothermal and photovoltaic energy; attention to cultural and policy requirements for each type of energy within a larger "energy ecosystem"; and cross-sectoral policy conversations enabling ministers of energy, health and agriculture to develop energy policy together.

The Human Face of Sustainable Energy for All: Energy, Women, Children and Health

On Thursday 5 June, Lynne Featherstone, UK, also announced the forthcoming global campaign on energy, women, children and health, saying that women and girls bear the brunt of energy poverty. Mark Lyall Grant, UK, welcomed this special focus for the first two years of the UN Decade on Sustainable Energy for All, noting that the SE4All Global Facilitation Team is designing the campaign and everyone is welcome to participate. Hans Brattskar, Norway, noted the large change in gender equality

Women and girls bear the brunt of energy poverty. It is their health, their lives, and their futures that are affected most.

Lynne Featherstone,
Parliamentary Under-Secretary of
State for International Development, the United Kingdom

and women's empowerment in Norway over the last 40 years, through civil society engagement, political decisions and investments in education and healthcare. Helen Clark, UNDP, said access to energy is not an end in itself but a means to improving human development. Lakshmi Puri, UN Women, called for access to energy to be considered a human right, and noted the importance of mainstreaming gender equality and women's empowerment in energy policies at all levels. Babatunde Osotimehin, UN Population Fund (UNFPA), linked maternal and infant mortality to lack of electricity in hospitals and clinics, and called for public-private partnerships to fill the gap in services critical to women and children. Maria Neira, WHO, addressed global conditions for air pollution and health, noting that each year more than four million people die prematurely from illness attributable to household air pollution through increased risk of pneumonia, stroke, pulmonary disease and lung cancer.



The Human Face of Sustainable Energy for All panel: Mark Lyall Grant, Permanent Representative of the United Kingdom to the UN; Hans Brattskar, State Secretary, Norway; Helen Clark, Administrator, UNDP/UNDG; Lakshmi Puri, Deputy Executive Director, UN Women; Babatunde Osotimehin, Executive Director of UNFPA; and Maria Neira, Director, Public Health and Environment, World Health Organization.

REmap 2030 Launch

On Thursday 5 June, IRENA launched REmap 2030, a road map to doubling the share of renewable energy in the world's energy mix by 2030. Adnan Amin, IRENA, said the 36% renewable energy target is both ambitious and realistic, and REmap 2030 provides an operational framework to reach the target. Amin noted cost declines for renewables, and said the overall transition will cost less than half of current spending on fossil fuels, and generate health, environmental and climate-related savings. The report also finds that the resulting energy mix could limit global temperature rise, and that renewable energy has already created 6.5 million jobs.



Felipe Calderon, Former President of Mexico and Chair of the Global Commission on the Economy and Climate; Nawal Al-Hosany, Director for Sustainability at Masdar; Kandeh Yumkella, SRSG/CEO of SE4All; and Adnan Amin, Director-General of IRENA.



UNDP Administrator Helen Clark addresses the first annual Sustainable Energy for All Forum.

3.3. HIGH-LEVEL DIALOGUE: ENERGY IN THE POST-2015 DEVELOPMENT AGENDA (SE4ALL FORUM, DAY 3)

Kandeh Yumkella opened Friday morning's session and said the Forum has demonstrated that the three SE4All targets are achievable, make economic sense, and help the environment, noting that the remaining challenge is to speed up implementation of actions. He welcomed the inclusion of energy as the seventh proposed SDG in the Post-2015 Development Agenda. Economic and Social Council (ECOSOC) President Martin Sajdik said the success of the Forum will have considerable impact on the final shaping of the Post-2015 Development Agenda. He stressed the linkage between investments and the rule of law, adding that an accountable legal system is a precondition for stable and transparent investments.

Felipe Calderón, former President of Mexico, and Chair of the Global Commission on the Economy and Climate, described the choice between economic growth and tackling climate change as a "false dilemma." He said the Commission will issue a report in September 2014 demonstrating that it is feasible to achieve both. To maximize this outcome, he suggested, inter alia: building better cities; avoiding unsustainable technologies in favor of low-carbon, modern approaches; ensuring larger government investment in research and development so that renewable energy generation will become cheaper than generating fossil fuel energy; and stopping deforestation.

Iceland's President Ólafur Ragnar Grímsson urged an energy transformation that is "small-scale, simple, practical and incremental," highlighting that innovations and cost reductions in technologies allow individual households to "become their own energy companies." He called for bringing existing technologies to all people, and promoting research and development for a "solar Apollo project" to reduce the costs of solar technology and storage systems.

On behalf of ECOSOC, I would like to thank the overall team of the Sustainable Energy for All initiative and in particular Mr. Kandeh Yumkella, the Special Representative of the Secretary-General and Chief Executive Officer of this initiative, for organizing this extraordinary event that has brought together all stakeholders concerned with the important issue of energy.

Martin Sajdik, President of ECOSOC and Permanent Representative of Austria to the United Nations

Ministerial statements¹

Burkina Faso stressed the need for, *inter alia*: sustainable supply of electrical power, which will be achieved by developing connections with other countries; increased access to electrical services; promotion of renewable energy; and rational management of demand for energy, including through updated studies on the consumption of firewood.

¹ The following is short excerpts from longer statements. Many of the statements can be read in full at http://www.se4all.org/se4all-forum/statements

Côte d'Ivoire said he would like to see continued investments for structural, regional, and national projects to be part of sustainable energy for all.

Nicaragua called for new patterns of consumption and production to balance the global population with a planet of limited resources. He outlined Nicaragua's efforts to provide reliable energy supply, including through renewable sources.

Rwanda said its energy mix is 50% renewables and 50% diesel, and that the latter is costly, especially for a land-locked country. He expressed a wish to learn from others on promoting biomass alternatives.

Tanzania urged SE4All to focus on Africa, highlighting that energy is a powerful driver for long-term economic growth, which is necessary to address poverty reduction and socio-economic development.

Turkmenistan highlighted the importance of international attention to the reliable transit of energy and its role in sustainable development, recalling two UN resolutions adopted on this topic in 2008 and 2013.

Brazil said it is giving priority to solar and photovoltaic options for energy production, and celebrating the success of its Light for All programme, which has supplied electricity to more than 15 million people.

China stressed the need for: a clean and safe energy strategy; high-efficiency, modern energy solutions; and the development of solar and other renewable energy sources.

The Gambia said it has been chosen as a SE4All pilot country for West Africa, and expressed hope that small-scale renewable energy projects in the country will become a baseline for meeting renewable energy goals in off-grid communities.

Guatemala said primary energy comprises 55% of its consumption, while renewables remain high-cost and, therefore, are not accessible to the population or profitable for



Silas Lwakabamba, Minister of Infrastructure, Rwanda



Sospeter Muhongo, Minister for Energy and Minerals, Tanzania



Zhang Yuqing, Deputy Administrator, National Energy Administration, China

investors. He called for the Post-2015 Development Agenda to include a platform to facilitate the transfer of technology, research and development.

Ireland emphasized the importance of including an energy goal in the Post-2015 Development Agenda, including a specific focus on women and the most vulnerable people, while also highlighting that 2020-2030 will be critical for the EU in its transition to a low-carbon economy.

Nigeria highlighted national and regional efforts in renewable energy and energy efficiency, and noted that the recent reform of the country's power sector has created new opportunities for investors.

Norway identified the following priority areas: good governance, including the rule of law and inde-

pendent justice systems; education, in particular for girls; and gender equality from both an economic and a human rights perspective. He also underscored the need for a framework for more predictable financing.

Romania said that energy price volatility, climate change and reduced access to low-carbon technologies can hamper the achievement of the SE4All goals.

The Holy See said true sustainable energy for all requires a "radical" paradigm shift in behavior and view of the economy and development, and called for prioritizing energy consumption and distribution on the basis of justice and solidarity.



Mohammed Wakil, Minister of State for Power, Nigeria

Greenland said: sustainable energy solutions are a challenge and the country cannot be a "first mover" in providing technological solutions; and it depends on technology for clean energy at reasonable costs.

Slovakia noted the strong links between energy services and the MDGs, and supported a standalone goal on energy in the SDGs.

Other governmental statements

Azerbaijan emphasized its national strategy for the development of alternative and renewable energy sources, with a particular focus on solar and wind energy, despite being a gas-rich country.

Denmark noted that while its economy has grown by 78%, energy consumption has remained more or less the same, and noted that the SE4All Energy Efficiency Hub was initiated to play a role in achieving efficiency goals.

Italy described its regional activities, including the Italy-Africa initiative, which aims to strengthen relationships with Africa through priority areas of energy, the environment, and infrastructure.

Kazakhstan said Astana EXPO 2017 will have the theme "Future Energy," and highlighted his government's actions for an environmentally friendly and energy-secure world, with an emphasis on inclusiveness, social justice, gender equality and poverty eradication.

Kenya welcomed the dedication of the first two years of the UN Decade to women's and children's health, and said participants in the Forum should commit themselves to implementation.

Colombia noted that the current production system based on highly polluting fossil fuels demands the development of a new global energy matrix based on sustainable sources of energy, and highlighted Colombia's challenges of using hydropower, as well as efforts to assess other sources, such as wind, solar and geothermal energy.



Michael A. O. Oyugi, Permanent Representative of the Republic of Kenya to the United Nations Office and Other International Organizations based in Vienna.

Kyrgyzstan noted its national strategy for sustainable development, with particular attention to hydropower and the creation of a favorable environment for investments in this area, while also expressing hope that the development of sustainable energy will be reflected in the Post-2015 Development Agenda.

The Netherlands stressed the need for governments, NGOs, and business actors to work together, offering the work of Philips Lighting and its partnerships with national governments as an example.

Pakistan welcomed the integration of energy into the SDGs and the post-2015 development agenda, and said that the Forum will provide a global roadmap for mobilizing domestic and foreign capital for delivering energy commitments, especially to the poorest and most vulnerable.

Peru said sustainable energy must be a basic part of the Post-2015 Development Agenda, and highlighted the country's plans to provide renewable energy sources to its entire population by 2021, the bicentennial of its independence.

Solomon Islands said investing in renewable energy is "the most cost-effective way to guarantee humanity's survival," calling for a UN system-wide approach to investment, including through the UN Development Assistance Framework (UNDAF) and UNDP country programmes. She said the Post-2015 Development Agenda must enable and incentivize global partnerships for energy efficiency and renewable technologies.

Spain noted that it is the first country where wind energy has become the primary technology for generating electricity, and expressed support for the inclusion of sustainable energy in the Post-2015 Development Agenda.

Uganda expressed support for a standalone SDG on ensuring access to affordable, sustainable and reliable modern energy services for all, while highlighting its efforts to further develop hydropower, and rural and urban electrification projects through grid extensions, mini-grids and photovoltaic solar home systems.

Belarus urged a new strategic look at energy issues that is more systematic, coherent, and effective, noting that this should be included in work towards a Post-2015 Development Agenda.

Indonesia said that it has set a target of increasing the share of renewable energy in the national energy mix by 23% in the next ten years.

Malaysia highlighted, *inter alia*, its efforts for energy efficiency in manufacturing and building, and its 2015 rural electrification target. He called on SE4All members to present solid deliverables at the next Forum.

New Zealand, where renewables provide 80% of electricity, supported the proposed targets for sustainable energy as part of the Post-2015 Development Agenda, and said local community participation is an essential component in providing sustainable energy for all.

The Russian Federation highlighted the absence of international institutions dealing with stability of energy supply and transit, accidents at energy facilities, and international energy cooperation, and called SE4All a forum for open and non-politicized expert discussion, while noting the inadequacy of the current international institutional framework to implement its objectives.



Evgeniy Nadezhdin, Director on Cooperation with International Organizations, Russian Energy Agency

Sierra Leone noted its investments in hydroelectricity, thermal, solar and bioenergy, and its engagement in regional collaborative projects on power transmission.

Myanmar noted that its electrification rate is only 13% and that a majority of households depend on solid fuels. He promoted energy independence, grid expansion and energy efficiency.

Nepal underscored the role of sustainable energy in realizing its commitment to graduate from least developed country (LDC) status by 2020.

Zimbabwe said its Agenda for Sustainable Socio-Economic Transformation identifies renewable energy as a key element of development, shared his country's goal of becoming energy secure using natural resources, and conveyed its commitment to increasing private sector investment in the energy sector, including in renewables.

Barbados said her country is striving for a viable renewable energy and energy efficiency sector as part of its green economy efforts, and to help reduce imports of fossil fuels.

Tonga highlighted the country's energy insecurity, high dependence on fossil fuels, weak energy sector, and low investments in renewable energy, which has adverse impacts on other sectors, and emphasized the importance of developing the Pacific Regional Data Repository.

The United Arab Emirates called sustainable energy the only way to decouple economic growth and climate change, and emphasized its engagement with the shift towards renewable energy and energy efficiency, including US\$750 million in grants and soft loans for renewable energy projects in developing countries in 2013.

Australia described its efforts to address energy during its 2014 G20 presidency, adding that the G20 will focus on ways to, inter alia, bolster energy efficiency and build resilience of gas markets.

Egypt discussed its efforts towards a "Master Plan of Renewable Energy in Egypt," which will begin by connecting wind and solar energy to the grid.

Japan noted that it is a "crucial moment to inspire the world," and discussed initiatives it has taken under the strategy to implement Actions for Cool Earth, which focuses on furthering technical innovation and low-carbon technology, and pledges assistance to developing countries of ¥1.6 trillion from 2013 to 2015.

Niger said Africa has enormous natural resources but populations live in "intense energy precariousness," and good governance and management of the resources must be brought to bear. He added that exploiting even a small percentage of Niger's potential solar power would make the country self-sufficient.

We face a historically unique and crucial moment in which to design and inspire the entire world for future generations. If we are not successful in addressing the many challenges we are currently grappling with, we will be blamed by those future generations.

Katsuhiko Takahashi, Minister, Permanent Mission of Japan to the United Nations Turkey highlighted that energy, while absent from the MDGs, is now considered a key part of the international development agenda, and said it should be recognized that countries can choose appropriate paths to sustainable energy according to national priorities and common but differentiated responsibilities and capacities.

Maldives emphasized that Small Island Developing States contribute the least to climate change, yet are among the most vulnerable, and called for partnerships for technology provision, investor-friendly policies, and engagement of the private sector.

The United Kingdom underscored the importance of access to electricity for the livelihoods of women and children.

International Organizations and NGO Statements

The UN Economic Commission for Europe stressed the need to "get the rules of the game right," in order to improve the technical, economic, environmental and social efficiency of the entire energy system.

WHO proposed defining health-related indicators to measure energy access in terms of "how much health you are generating," such as reduction in deaths caused by air pollution.

The Environmental Defense Fund said there is no high-carbon path to prosperity, and noted important moves by several actors, including the cuts to carbon pollution from power plants recently proposed by the US, and Europe's cap-and-trade system.

The New Partnership for Africa's Development (NEPAD) provided an overview of progress toward achieving the SE4All targets, including through: the Programme for Infrastructure Development in Africa; the Africa Policy Framework for Sustainable Charcoal; the SE4All Africa Hub; the Africa Clean Energy Corridor initiative; the development of action plans and investment prospectuses for Kenya and the Gambia; and the SE4All High Impact Opportunity on Sustainable Bioenergy.

The World Energy Council highlighted the energy "trilemma"—energy security, energy equity and environmental sustainability—and stressed the importance of energy as a standalone SDG, considering enduring challenges, such as the expected continued dominance of fossil fuels in the energy mix in 2050.

The International Union for Conservation of Nature (IUCN) underscored the need for the SE4All process to reach out not only to the energy supply side but also the energy demand side, as the needs and voices of energy users need to be heard.

ENERGIA International Network described its commitment of €12 million to provide technical and financial assistance to country programmes in Africa and Asia that strengthen the capacity of women and small enterprises to deliver energy services to over two million consumers by 2017.



Marie-José Nadeau, Chair, World Energy Council

The Asian Development Bank noted his region's continued reliance on traditional biomass for daily heating and cooking needs, said energy access must be expanded to reach the 600 million energy-poor in the region, and said the SE4All regional hub will be launched at the upcoming Asia Clean Energy Forum in Manila.

"The Islamic Development Bank believes in forging key partnerships and alliances to bring development solutions to our member countries.

Shamus-ur-Rehman Toor, Partnership and Programme Development Specialist

The Global Wind Energy Council said that for renewable energy, "doubling is just the beginning," and that governments must stop subsidizing CO2 emissions at US\$110 per ton, and put a price on carbon, in order to protect the climate system.

The Islamic Development Bank announced the launch of the Renewable Energy for Poverty Reduction initiative and the Renewable Energy Alliance for the Poor, explaining that this will provide electricity through off-grid and renewable energy solutions, and envisioned SE4All providing a forum for stakeholder dialogue to discuss capacity-building, bankable projects, the role of the private sector, regulatory reform and the creation of an enabling policy environment, and financing.

The International Energy Agency highlighted the complementarity of its work to SE4All's, noted its upcoming special report on Africa's energy outlook, and stressed the importance of energy in the SDGs.

GOING FORWARD WITH THE SE4ALL FORUM

On the mark of the two-year anniversary since Rio+20, with the United Nations Decade of Sustainable Energy for All 2014-2024 officially launched, and with the first annual Sustainable Energy for All Forum inaugurated, the time ahead is a time for action.

Out of the 85 developing countries that have so far opted in to the initiative, 44 have already carried out Rapid Assessments/Gap Analyses, and 30 initial focus countries are identified as ready for roll-out of SE4All Country Action Agendas and Investment Prospectuses. Tens of billions of dollars have been pledged during and after Rio+20, and much of these finances are already being paid out and expected to leverage further available resources through co-financing and partnerships.

The first annual SE4All Forum received a warm welcome throughout its three days, including from a range of high-level attendants from a wide spectrum of society, and from around the world. The positive reception included a luncheon entitled 'Welcoming the new SE4All Forum' on day two of the Forum. The luncheon was hosted by the three Co-Chairs of the 35-country Group of Friends of Sustainable Energy for All in New York, Denmark, Norway and Pakistan. Among the 200 attendants were 10 Ministers and more than 30 Permanent Representatives to the United Nations, as well as many private sector CEOs and leaders from civil society and international organizations.

Planned as an annual occurrence, and with the second Forum expected to take place during the 2nd quarter of 2015, the SE4All Forum provides a unique global platform for all stakeholders to come together, present their actions and catalyze further action, partnerships, and commitments. The forthcoming action-phase is backed by thousands of partners. As just one example, the Energy Access Practitioner Network, a SE4All partner anchored in the UN Foundation, has 1,600 NGO, private sector and social enterprise members from 191 countries delivering energy services to more than 16 million households.

For all these partners, for stakeholders from all energy communities, and for stakeholders from issue areas that have links to energy, the SE4All Forum will constitute the global meeting place for discussing energy solutions for the future. As a yearly focal point for the global network of stakeholders working to achieve sustainable energy for all, the SE4All Forum can help bring forces together, and change the dynamics of the global energy debate. The annual global SE4All Forum is also being supplemented by other planned intermediate meetings and events, such as the envisaged African SE4All forum, which Tanzania has generously offered to host.

Overall, the SE4All Forum presents an unparalleled opportunity to tie all activities in the field of energy together by leveraging the unique convening power of the United Nations. As demonstrated already in its first year, the Forum has the ability to unite different communities within the larger energy community. It also showed the ability to link

We believe that the Sustainable Energy for All Forum is a step in the right direction and we fully support it.

Edwin Rodas, Deputy Minister for Energy and Mines, Guatemala

"This Forum and the "Decade" is a particularly favourable moment in time for energy. Such occasions cannot be missed!

Bishop Mario Toso, Secretary of the Pontifical Council for Justice and Peace, the Holy See

The most powerful engine to bring about accelerated growth and a sustainable livelihood is energy(...)
Tanzania has accepted to host an African summit on Sustainable Energy for All.

Sospeter Muhongo, Minister for Energy and Minerals, Tanzania This Forum will give us a global roadmap for mobilizing domestic and foreign capital and recalibrating national and international sources of funding for delivering energy to all communities all around the world, especially those which are the poorest and most vulnerable.

Masood Khan, Permanent Representative of Pakistan to the United Nations

energy closer to other related issue areas, such as food, water, gender, and health. Adding to this are the activities carried out under the United Nations Decade of Sustainable Energy for All 2014-2024.

Besides the global launch of the Decade at the Forum, the Decade has also been launched in different regions and communities around the globe, such as at the Delhi Sustainable Development Summit (Delhi, February 2014), for the Pacific region (Fiji, April 2014), for Africa (Kigali, May 2014), for the private sector (New York, April 2014), for Asia (Manila, June 2014), and for the student community (Cape Town, Mexico City, Aberdeen, and New York, June 2014). Many more such launches and events will follow this and next year. Some such activities will include Least Developed Countries (LDC) and Small Island Developing States (SIDS) launches in July and September, and a launch for South America in the fall. Contributing to the preparations of each Forum are also the many country actions and other activities of the SE4All initiative as such. These include country action agendas, investment prospectuses and gap analyses, as well as SE4All High-Impact Opportunities taken by the private sector, development partners, civil society organizations, and multilateral institutions. In sum, all of these actors, activities and achievements would form a formidable global network, all geared towards the Forum as a yearly benchmark. The Forum should be a place to take stock, and to push forward. In this context, regular dialogues and interactions with Member States will continue to be crucial in helping to design and implement the Forum in the future. The journey towards ensuring sustainable energy for all by 2030 is a long one. But while keeping the three long-term targets of access, efficiency and renewables solidly in place, the targets could also be supplemented by more short-term horizons for the most important steps that need to be taken next.

The SE4All Forum will contribute towards this end. It provides an opportunity for every stakeholder, individually or commonly, to put in place inspirational interim objectives to reach for in the shorter-term horizon, while contributing towards the longer-term targets. By using the Forum as a regular milestone, the overall rhythm and pulse could become better aligned with the budget, election and decision-making cycles of the political and financial world. The Forum should also continue to bring important contributions towards ongoing related processes and meetings, including the deliberations on the Post-2015 Development Agenda, the United Nations Framework Convention on Climate Change, and the Climate Summit on 23 September 2014.



SPEAKERS LIST, HIGH-LEVEL DIALOGUE ON ENERGY IN THE POST-2015 DEVELOPMENT AGENDA

The dialogue took place on 6 June 2014, 09.00-13.00, ECOSOC Chamber, UN Headquarters, New York, USA. The 19 first delegations spoke at Vice-Ministerial level or above.

Iceland

Burkina Faso

Côte d'Ivoire

Nicaragua

Rwanda

Tanzania

Brazil

China

Gambia

Guatemala

Ireland

Liberia

Nigeria

Norway

Romania

Holy See

Greenland

Slovakia

Turkmenistan

Azerbaijan

Colombia

Denmark

Iraq

Italy

Kazakhstan

Kenya

Kyrgyzstan

Nepal

Netherlands

Pakistan

Peru

Solomon Islands

Spain

Uganda

Belarus

Indonesia

Malaysia

New Zealand

Russia

Sierra Leone

Zimbabwe

Barbados

Tonga

United Arab Emirates

Australia

Egypt

Japan

Niger

Turkey

Maldives

United Kingdom

The UN Economic Commission for Europe

World Health Organization

The Environmental Defense Fund

The New Partnership for Africa's Development

The World Energy Council

The International Union for Conservation of Nature

ENERGIA International Network on Gender and Sustainable Energy

The Asian Development Bank

The Global Wind Energy Council

The Islamic Development Bank

The International Energy Agency

SUSTAINABLE ENERGY FOR ALL FORUM

PROGRAMME

4-6 June 2014 • United Nations, New York

FOREWORD

The United Nations Decade of Sustainable Energy for All, being launched at this Forum, highlights the need to improve access to reliable, affordable, economically viable, socially acceptable and environmentally sound energy services and resources for sustainable development.

Sustainable energy is the golden thread that connects poverty eradication, equitable economic growth and a healthy environment. The Sustainable Energy for All initiative has three ambitious but achievable global objectives for 2030: universal energy access, twice as much energy efficiency improvement and double the proportion of renewable energy use. Combined, these will open a new world of opportunity for billions of people, generate massive new investment opportunities and underpin our efforts to combat climate change and promote development that balances the needs of people and planet alike.

The inter-related efforts to shape a post-2015 development agenda and adopt a new global agreement on climate change present an unprecedented opportunity to advance poverty eradication and sustainable development.

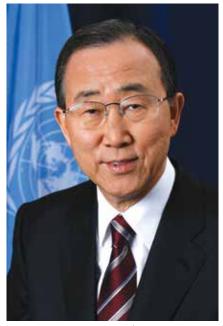
This Forum comes as Member States are discussing the Sustainable Development Goals, and it comes less than four months before the Climate Summit that I am convening on 23 September. It is integral to the success of both. I count on all participants here to bring concrete high-value deliverables on access, energy efficiency and renewable energy to the Summit and the initiative in your national or corporate capacity and through multilateral multi-stakeholder collaborative action.

To support these efforts, I welcome the engagement of the President of the World Bank Group, Dr. Jim Yong Kim, as co-chair of the SE4ALL Advisory Board. I am also grateful to Dr. Kandeh Yumkella, my Special Representative for Sustainable Energy for All, for his leadership. But you, the participants, are the critical players.

We need the public and private sectors, local communities and civil society, international organizations and the world of academia and research to work in common cause. That is why we have organized this first global Sustainable Energy for All Forum, which I intend to convene annually. Together we have the power to redefine our relationship with the planet and lay the foundations for a life of dignity for all.

I wish you a productive and energizing Forum.

Ban Ki-moon United Nations Secretary-General



UN Photo/Eskinder Debebe

FOREWORD

To end extreme poverty and build shared prosperity, we have to confront climate change. The poor are the first to be impacted by climate change and suffer most from its effects. We will need clean, efficient, and reliable sources of energy to reduce CO2 emissions and create a sustainable future for all.

The World Bank Group is firmly committed to Sustainable Energy for All; it's a global movement for energy transformation. Sustainable Energy for All (SE4ALL) means everyone will have access to electricity, and all homes will have safe and smoke-free cooking and heating.

Our goal is to ensure that by 2030 over a third of our energy world-wide is from clean, renewable sources — while also boosting energy efficiency. At this Forum, our diverse group of partners will launch new initiatives to achieve the three SE4ALL objectives, with specific actions in many of the more than 80 countries now participating.

This is a critical year ahead for our planet. If we act now, we can make a lasting contribution to fighting climate change, and to creating a brighter future for our children and grandchildren.



Photo: Ryan Rayburn/World Bank

Jim Yong Kim President World Bank Group

FOREWORD

Welcome to the first annual Sustainable Energy for All Forum and the launch of the United Nations Decade for Sustainable Energy for All (2014-2024) here in New York.

The discussions we hold today and in the future will focus on mobilizing investment into the energy sectors of various countries to achieve the three targets of the Sustainable Energy for All (SE4All) initiative by 2030. The Forum will bring constructive dialogues on how we can end energy poverty, promote innovation for energy efficiency, and facilitate a massive deployment of renewable sources as part of the global energy mix.

The Forum will also touch on the many links that energy has to other crucial development issues. Energy is an enabler for progress in areas as fundamentally important as food, water, health, and gender equality, just to name a few.

'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.' These are the words of world leaders gathered at the United Nations Conference on Sustainable Development (Rio+20) in June 2012. Two years later, the Forum will hopefully contribute to the ongoing discussions in relevant international processes, such as those related to defining the Post-2015 Development Agenda, and to finding solutions to global warming.

Energy is a master key to ensuring poverty eradication, prosperity and curbing of climate change at the same time, and it thus must be a part of the Sustainable Development Goals.

Our vision for the Forum is that it will become the global meeting place for a holistic discussion of energy issues, as it relates to all three dimensions of sustainable development, and of energy. It will do so by bringing together the many actors and communities within and beyond the larger energy community, and from all corners of the world.

By establishing this platform and network, we hope to capitalize on the unparalleled convening power of the United Nations as well as the unique partnership between the United Nations and the World Bank on the initiative. Add to that the active engagement of our many committed partners from governments, civil society, the private sector, and international organizations, and it clearly demonstrates that sustainable energy for all is truly a multi-stakeholder agenda. Only for this Forum, we have received about 2000 registrations from participants from all sectors of society.

I wish you well in your deliberations and we look forward to partnering with you all to transform commitments into action and ensure sustainable energy for all.

Kandeh K. Yumkella Special Representative of the Secretary-General and CEO Sustainable Energy for All



UN Photo/Devra Berkowitz

SE4ALL MULTI-STAKEHOLDER PARTNERSHIPS DAY

8:45 - 9:10

Opening Plenary

Trusteeship Council

Chad Holliday, Chairman, Bank of America and Chair, SE4ALL Executive Committee
 Ahmad Albandayii, UNI Favoy on Youth

Overflow: Conference Room 1 opens at 8:15

- Ahmad Alhendawi, UN Envoy on Youth
- Li Junfeng, Director General, National Center for Climate Change Strategy and International Cooperation, National Development and Reform Commission, China
- Reema Nanavaty, General Secretary, Self-Employed Women's Association, SEWA
- Winona La Duke, Honor the Earth
- Tom Hart, US Executive Director, ONE (tbc)

GROWING THE MOVEMENT

9:15 - 10:10

Together we've got the power: why SE4ALL needs civil society?

Trusteeship Council

Moderator: Gerard Bos, Director, Global Business & Biodiversity Programme, IUCN

Panelists:

- Aaron Leopold, Global Energy Advocate, Practical Action
- Dan Riley, Lead Specialist Renewable Energy Policy, WWF US
- Sarah Wykes, Lead Analyst Climate and Energy, CAFOD
- Mariam Mohamed Abdallah Abdelhafiz Allam, Arab Youth Climate Movement/IndyACT (tbc)
- Lizeth Zuniga, Director, Renewables Association, Nicaragua (tbc)
- Ishmael Edjekumhene, Executive Director, KITE

Q&A

9:15 - 10:10

Leveraging multi-stakeholder partnerships: Progress and lessons from Rio+20 SE4ALL Commitments

Conference Room 1

Moderator: Georg Kell, Executive Director, Global Compact

Panelists:

- Carmen Becerril Martinez, Chief International Officer, Acciona
- Marina Migliorato, Head of Corporate Social Responsibility, ENEL SpA
- Jean-Marc Fontaine, Vice-President Social Business & Societal at the Sustainable Development & Environmental Division, Total
- Ibrahim H. Rehman, Director, Social Transformation Division, TERI

9:15 - 10:10

The Energy Trilemma: Catalysing Business Action

Conference Room A

Moderator: Christoph Frei, Secretary General, World Energy Council

Panelists:

- Colin Calder, CEO, Passive Systems, UK
- Thaddeus Burns, Senior Counsel, Intellectual Property & Trade, GE
- Morten Albaek, Global Senior Vice-Preisdent and CMO, Vestas
- · Philippe Joubert, Executive Chair, Global Electricity Initiative and Former President, Alstom Power
- Mahaman Laouan Gaya, former Minister, Secretary General of the Ministry of Energy and Petroleum, Niger
- Clay Nesler, Vice President, Global Energy & Sustainability, Johnson Controls

Q&A

9:15 - 10:10

Harnessing the Power of Youth

Conference Room B

Moderator: Ahmad Alhendawi, UN Envoy on Youth

Moderator: Sean Collins, Co-Founder, Student Energy

Q&A

9:15 - 10:10

Partnership to Scale Up Energy Access Through Women's Empowerment

Conference Room C

Moderator: Soma Dutta, Regional Network Coordinator of the ENERGIA International Network

Panelists:

- Caroline McGregor, Policy Analyst, International Affairs, US Department of Energy
- Nicola Armacost, Managing Director, Arc Finance
- Stephen Gitonga, Energy Policy Advisor, UNDP
- Corinne Hart, Program Manager of Gender and Markets, Global Alliance for Clean Cookstoves
- Chhavi Sharma, International Programme Manager, Ashden
- Seemin Qayum, Author

CATALYZING INVESTMENT THROUGH INNOVATIVE BUSINESS MODELS

10:15 - 10:25

Lightning Round Kick Starter

Trusteeship Council

Bronx Design & Construction Academy, 2014 Zayed Future Energy Prize Global High School Winner

Accelerating Sustainable Energy Deployment through Support for Innovation

Moderator: David Rodgers, Senior Climate Change Specialist, Climate and Chemicals, GEF

Panelists:

- Ethan Zindler, Head of Policy Analysis, Bloomberg New Energy Finance
- Ashok Sarkar, Senior Energy Specialist, World Bank

Q&A

10:15 - 10:25

Lightning Round Kick Starter

Conference Room 1

Radha Muthiah, Executive Director, Global Alliance for Clean Cookstoves

Modern Cooking Appliances and Fuels

Moderator: Tyler Suiters, Senior Director of Communications, Consumer Electronics Association

Panelists:

- Kimball Chen, Chairman, GLPGP and President, WLPGA
- Gary Hattem, Managing Director, Deutsche Bank and its Foundation and Community Development Finance Group
- Sean Moore, Portfolio Manager, Acumen
- Radha Muthiah, Executive Director of the Global Alliance for Clean Cookstoves
- · Maria Neira, Director, Department of Public Health, Environmental and Social Determinants, WHO
- · Harry Verhaar, Senior Director Energy & Climate Change, Philips Lighting

Q&A

10:15 - 10:25

Innovations in Finance for Energy Access

Conference Room A

Moderator: Christine Eibs-Singer, Senior Advisor, SE4ALL

Panelists:

- Vincent Wierda, CleanStart Programme Manager, UNCDF
- Willem Nolens, Founder/CEO, SolarNow, Uganda
- Graham Smith, Vice President Business Development, Off Grid Electric
- Letha Tawney, Senior Associate, World Resource Institute
- Silvie Kreibiehl, Head of Center, Frankfurt School-UNEP Collaborating Center Climate& Sustainable Energy Finance

10:15 - 10:25

Water - Energy - Food Nexus HIO

Conference Room B

Moderator: Tania Rödiger-Vorwerk, Deputy Director General - Directorate 31, German Federal Ministry for Economic Cooperation and Development (tbc)

Panelists:

- · Olivier Dubois, Senior Natural Resources Officer and Coordinator, Energy Programme, FAO
- Anna Delgado, Water Unit, World Bank
- Martin Hiller, Director General, REEEP
- Representative of IRENA (tbc)
- Representative USAID (tbc)
- Representative OFID (tbc)

Q&A

10:15 - 10:25

Clean Energy Mini-Grids HIO

Conference Room C

Moderator: Steven Hunt, Energy Advisor, DFID

Panelists:

- Mahama Kappiah, Executive Director, ECREEE
- Dean Cooper, Energy Finance Programme Manager, UNEP
- Suman Sureshbabu, Associate Director, Rockefeller Foundation
- Caroline Nijland, Director Business Development, Foundation Rural Energy Services
- Venkat Ramana Putti, Senior Energy Specialist, World Bank

Q&A

11:25 - 12:20

Energy Efficiency Accelerators

Trusteeship Council

Moderator: Luis Gomez-Echeverri, Senior Research Scholar, IIASA and Senior Advisor, SE4ALL

Panelists:

- Reid Detchon, Vice President Energy and Climate, United Nations Foundation
- Steven L. Kukoda, Vice President, International Copper Association, Ltd.
- R. K. Pachauri, Director General, TERI
- Clay Nesler, Vice President Global Energy and Sustainability, Johnson Controls
- Constantin Birnstiel, Vice President, Osram
- Ivan Jaques, Head, Energy Efficient Cities, Energy Sector Management Assistance Program ESMAP, WB
- Sheila Watson, Director of Environment and Research, FIA Foundation
- Josué Tanaka, Managing Director, Operational Strategy, ERBD
- Paul Voss, Managing Director, Euroheat and Power

11:25 - 12:20

Conference Room 1

Scaling up decentralized and "bottom-up" energy solutions: A little less conversation, a little more action

Moderator: Martin Krause, Senior Global Energy Policy Advisor, UNDP

Panelists:

- Nii Darko Asante, Director, Office of Technical Regulation and Promotion of Renewable Energy/ Energy Efficiency, Energy Commission
- Fabby Tumiwa, Institute for Essential Service Reform, Indonesia
- Magnus Magnusson, UN Capital Development Fund
- Andy Webb, Managing Director, Solar Aid
- Aneri Patel, Energy Access Practitioners Network, UNF

Q&A

11:25 - 12:20

Conference Room A

Energy Access for Development Impact: How can the private and public sector collaborate on renewable energy solutions?

Moderator: William Brindley, Special Advisor, Newdea

Panelists:

- Scott Fast, Executive Director, Accenture Foundation
- Roger Ford, Managing Director, Accenture Development Partnerships
- Zia Kahn, Vice President for Initiatives and Strategy, The Rockefeller Foundation
- Harvey Rubin, Professor of Medicine, University of Pennsylvania and Director, Energize the Chain
- Christine Eibs-Singer, Senior Advisor, SE4ALL

Q&A

11:25 - 12:20

Sustainable Bioenergy HIO

Conference Room B

Moderator: Gerard Ostheimer, Global Lead, Sustainable Bioenergy High Impact Opportunity

Panelists:

- Olivier Dubois, Senior Natural Resources Officer and Coordinator, Energy Programme, FAO
- Gerard Bos, Director, Global Business & Biodiversity Programme, IUCN
- Ignaas Caryn, Director, Corporate Venturing and Biofuels, KLM, Royal Dutch Airline
- Barbara Bramble, Chair, Roundtable on Sustainable Biomaterials
- Justin Perrettson, Senior Advisor, Public Affairs, Novozymes

11:25 - 12:20

Global Gas Flaring Reduction HIO

Conference Room C Moderator: S. Vijay Iyer, Director, Sustainable Energy Department, World Bank

Panelists:

- Bjorn Hamso, Program Manager, Global Gas Flaring Reduction Partnership
- Hege Marie Norheim, Senior Vice President, Statoil
- Aldo Flores, Secretary General, International Energy Forum (tbc)

Q&A

12:20 – 14:10 LUNCH AND PARALLEL SESSIONS

12:30 - 14:00

[Private Lunch] Launch of the Renewables 2014 Global Status Report (REN21)

Permanent Mission of Germany to the United Nations Closed: by invitations only

Moderator: Christine Lins, Executive Secretary, REN21

Welcome & Opening Remarks:

(Parallel)

- H.E. Harald Braun, Permanent Representative of Germany to the UN
- Rachel Kyte, Vice President for Sustainable Development, World Bank

Presentation of Renewables 2014 Global Status Report

- Arthouros Zervos, Chair, REN21 and Chairman and CEO, Greek Public Power Corporation
- Tania Rödiger-Vorwerk, Deputy Director-General, Directorate 31, German Federal Ministry for Economic Cooperation and Development, Germany
- Adnan Z. Amin, Director General, IRENA
- Irene Giner-Reichl, President, GFSE and Austrian Ambassador to the People's Republic of China
- Steve Sawyer, Secretary General, GWEC
- Elliott Harris, Director, UNEP-New York

12:20 - 13:00

Networking Lunch

(Parallel)

PARALLEL MULTI-STAKEHOLDER SESSIONS

13:00 - 14:00

Women, Energy and Economic Empowerment

Trusteeship Council

Moderator: Chad Holliday, Chairman, Bank of America and Chair, SE4ALL Executive Committee

Panelists:

- Reema Nanavaty, General Secretary, SEWA
- Anurag Bhatnagar, CEO, Grassroot Trading Network for Women, GTNfW
- · Heeaben Dave, District Coordinator, SEWA
- Divuben Rathod, salt worker, SEWA member
- Ramilaben Rohit, grassroot leader, elected President of SEWA

Q&A

13:00 - 14:00

Renewable Energy – the Brazilian expertise

Conference Room 1

Moderator: H.E. José Antonio Corrêa Coimbra, Minister of Mines and Energy's Chief of Staff, Brazil

Panelists:

- H.E. Altino Ventura Filho, Secretary of Energy, Planning and Development of the Ministry of Mines and Energy, Brazil
- Albert C. Geber de Melo, Director-General, CEPEL and Associated Professor, State University of Rio de Janeiro
- Jorge Miguel Samek, Brazilian General Director, ITAIPU

Q&A

13:00 - 14:00

Knowledge Hub for SE4ALL: Research consortium & analytical agenda

Conference Room A

Moderator: Luis Gomez-Echeverri, Senior Research Scholar, IIASA and Senior Advisor, SE4ALL

Panelists:

- Nebojsa Nakicenovic, Deputy Director, IIASA and Chief Executive Officer and Full Professor of Energy Economics, Vienna University of Technology
- Vivien Foster, Sector Manager, Sustainable Energy Unit, World Bank
- Ibrahim Hafeezur Rehman, Director, Social Transformation Division, TERI
- Doug Arent, Acting Center Director of the Strategic Energy Analysis Center, National Renewable Energy Laboratory, Colorado
- Vijay Modi, Professor of Mechanical Engineering and Director, Infrastructure Programs, Millennium Villages Project, Earth Institute, Columbia University
- Letha Tawney, Senior Analyst, WRI

13:00 - 14:00

Wind for Prosperity

Conference Room B

Moderator: Morton Albaek, Global Senior Vice President and CMO, Vestas

Panelists:

- Stephen Gitonga, Energy Policy Advisor, UNDP (tbc)
- Sergio Oceransky, CEO and Founder, The Yansa Group (tbc)
- Reginald Irenee Vachon, World Federation of Engineering Organisations (tbc)

Q&A

13:00 - 14:00

Conference Room C

Energy Efficiency: Sharing experiences and launching a global platform to accelerate the transition to efficient appliances and equipment

Moderator: John Christensen, UNEP DTU Partnership - Energy Efficiency Hub

Panelists:

- H.E. Ib Petersen, Ambassador, Permanent Representative of Denmark to the UN
- H.E. Masahiko Horie, Ambassador for Global Environmental Affairs, Japan
- H.E. Cristian Barros, Permanent Representative and Ambassador of Chile to the UN (tbc)
- Harry Verhaar, Senior Director Energy & Climate Change, Philips Lighting
- Juan Pablo Moreno Cadena, Director Corporate Affairs, MABE, Mexico
- Christine Egan, Director, CLASP
- Arnaldo Vieira de Carvalho, Senior Energy Specialist, IADB
- David Rodgers, Senior Climate Change Specialist, Climate and Chemicals, GEF
- Daniel Assandri, Country Manager, ABB Canada

Q&A

SHARING KNOWLEDGE AND EXPERIENCES, DEVELOPING CAPACITY

14:10 - 15:05

Energy Access Practitioner Network

Trusteeship Council

Moderator: Richenda Van Leeuwen, Executive Director, Energy Access Initiative, UNF

Panelists:

- Ishmael Edjekumhene, Executive Director, Kumasi Institute of Technology, Energy and Environment, KITE
- Harish Hande, Founder and Chairman, SELCO India
- Fiza Farhan, Energy Specialist, Buksh Foundation, Pakistan
- H.R.H. Princess Abzeila Djigna, Founder and CEO of AbzeSolar S.A., and leader, 'MAMA-LIGHT® initiative for Sustainable Energy'

14:10 - 15:05

Launch of Poor People's Energy Outlook Report

Conference Room 1

Moderator: Aaron Leopold, Global Energy Advocate, Practical Action

Panelists:

- Simon Trace, CEO, Practical Action
- Christine Lins, Executive Secretary, REN21
- Stephen Gitonga, Energy Policy Advisor, UNDP

Q&A

14:10 - 15:05

Global Tracking Framework: Multi-tier Access Indicators

Conference Room A

Moderator: Vivien Foster, Sector Manager, Sustainable Energy Unit, World Bank

Panelists:

- Jens Drillisch, Principal Energy Economist, KfW
- Stephen Gitonga, Energy Policy Advisor, UNDP (tbc)
- Mikul Bhatia, Lead Energy Specialist, World Bank

Q&A

14:10 - 15:05

Launch of SE4ALL Capacity Building Hub

Conference Room B

Moderator: R. K. Pachauri, Director General, TERI

Panelists:

- Kandeh Yumkella, SRSG and CEO, SE4ALL (tbc)
- Mohinder Gulati, COO, SE4ALL
- Ibrahim H Rehman, Director, Social Transformation Division, TERI

Q&A

14:10 - 15:05

Cities: Charting New Frontiers of Energy Sustainability

Conference Room C

Moderator: Vatsal Bhatt, Brookhaven National Laboratory

Panelists:

- David Gilford, Vice President & Director, Center for Economic Transformation, New York City Economic Development Corporation
- Paula Brooks, Commissioner Franklin County, Ohio
- Robert Phocas, Energy & Sustainability Manager, City of Charlotte
- Jerry Tinianow, Chief Sustainability Officer, Office of Mayor Michael B. Hancock, City and County of Denver
- Bo Lu, Chief Engineer, Weifang City Housing and Urban-Rural Development
- · Jianping Wei, Weifang University, Weifang City
- Urvinder Madan, Commissioner, Mumbai Metropolitan Development Authority (tbc)

15:10 - 16:05

Trusteeship Council

A Discussion on Potential Energy Goal, Targets and Indicators for Post-2015 Development Agenda

Moderator: Magdy Martinez Soliman, Director (ai), Bureau of Development Policy, UNDP

Panelists:

- Ivan Vera, Secretary of UN-Energy Secretary/Senior Sustainable Development Officer, UN Division for Sustainable Development, UNDESA
- Vivien Foster, Sector Manager, Sustainable Energy Unit, World Bank
- Elizabeth Thompson, Senior Advisor SE4ALL
- Sarah Wykes, Lead Analyst Climate and Energy, CAFOD

Q&A

15:10 - 16:05

REN21 Global Renewables 2014 Global Status Report Public Presentation

Conference Room 1

Welcome: Kandeh Yumkella, SRSG and CEO, SE4ALL (tbc)

Moderator: Christine Lins, Executive Secretary, REN21

Panelists:

- Arthouros Zervos, Chair, REN21 and Chairman and CEO of Greek Public Power Corporation
- Tania Rödiger-Vorwerk, Deputy Director General Directorate 31, German Federal Ministry for Economic Cooperation and Development
- Pradeep Monga, Director, Energy and Climate Branch, UNIDO
- Nebojsa Nakicenovic, Deputy Director, IIASA and Chief Executive Officer and Full Professor of Energy Economics, Vienna University of Technology
- Mahama Kappiah, Executive Director, ECREEE
- Michael Eckhart, Managing Director, Citigroup

15:10 - 16:05

Clean Energy Solutions Center

Conference Room A

Moderator: Ian Lloyd, Clean Energy Solutions Center Program Manager and Fellow, International Climate Change Policy and Technology, Office of International Affairs, US Department of Energy

Panelists:

- Victoria Healey, Project Leader, Clean Energy Solutions Center, National Renewable Energy Laboratory
- Ellen Morris, Founding Partner, Embark Energy

15:10 - 16:05

Energy and Health

Conference Room B

Moderator: Maria Neira, Director, Department of Public Health, Environmental and Social Determinants, WHO

Panelists:

- Carlos Dora, Coordinator, Interventions for Healthy Environments, Department of Protection of the Human Environment, WHO
- Wisdom Ahiataku-Togobo, Director of Renewable Energy, Ministry of Energy, Ghana (tbc)
- H.E. Bahijjahtu Abubakar, Ministry of Environment, Nigeria
- Laura Stachel, Founder and CEO, WeCareSolar
- Josephine Ojiambo, Chief, Executive Board and External Relations Branch, UNFPA
- Jem Porcaro, Senior Director, Energy Access, UN Foundation

Q&A

Kick starter: Vanessa Janik, Expert on Energy and Health, ESMAP, World Bank

15:10 - 16:05

Sustainable energy use in cities

Conference Room C

Moderator: Djaheezah Subratty, Acting Head of Policy Unit, Energy Branch, UNEP

Moderator: Andre Dzikus, Coordinator, Urban Basic Services Branch, UN-Habitat

Panelists:

- Vincent Kitio, Chief Urban Energy Unit, UN Habitat
- Yann Françoise, City of Paris, France (tbc)
- City of Cape Town (tbc)
- City of Vancouver (tbc)

Q&A

ACCELERATING COUNTRY ACTION

16:10 - 16:20

Lighting Round Kick Starter

Trusteeship Council

H.E. Lord Ma'afu, Minister for Lands, Survey, Natural Resources, Environment, Climate Change and Energy, Tonga (tbc)

16:20 - 17:15

SE4ALL National Action Agenda and Investment Prospectus

Moderator: Susan McDade, Country Action Team Leader, SE4ALL

Panelists:

- H.E. Sospeter Muhongo, Minister of Energy and Minerals, Tanzania (tbc)
- H.E. Hans Brattskar, State Secretary/ Deputy Minister, Ministry of Foreign Affairs, Norway (tbc)
- Klaus Rudischhauser, Deputy Director General, EuropeAid, European Commission
- H.E. U Aung Than Oo, Deputy Minister, Minister of Electric Power, Myanmar (tbc)

16:10 - 16:20

Lightning Round Kick Starter

Conference Room 1

Message from the Africa Launch of the UN Decade on SE4ALL (video), with introduction Janvier Litse, Director, NEPAD & Regional Integration and Trade, AfDB

16:20 - 17:15

Country Action Progress: Action Agendas

Moderator: Daniel Schroth, African Development Bank

Panelists:

- Nii Darko Asante, Director, Office of Technical Regulation and Promotion of Renewable Energy/ Energy Efficiency, Energy Commission
- Ruby Sandu Rojon, Deputy Director, Regional Bureau for Africa, UNDP
- H.E. Emilio Rappaccioli, Minister of Energy and Mines, Nicaragua
- Arnaldo Vieira de Carvalho, Senior Energy Specialist, IADB
- Simon Trace, CEO, Practical Action

Q&A

16:10 - 17:15

Conference Room A

Regional Energy Partnerships to Promote Sustainable Industrial Development and SE4ALL in the Post-2015 Development Agenda

Moderator: Vijay Modi, Professor of Mechanical Engineering and Director, Infrastructure Programs, Millennium Villages Project, Earth Institute, Columbia University

Panelists:

- Nebojsa Nakicenovic, Deputy Director, IIASA and Chief Executive Officer and Full Professor of Energy Economics, Vienna University of Technology
- H.E. Martin Sajdik, Permanent Representative of Austria to the UN NY and President, ECOSOC
- Pradeep Monga, Director, Energy and Climate Change Branch, UNIDO
- Mahama Kappiah, Executive Director, ECREEE
- Jessica Eriyo, Deputy Secretary General, Productive and Social Sectors, East African Community EAC
- Vince Henderson, Permanent Representative of Dominica to the UN and Chairman, SIDS DOCK

Q&A

16:10 - 17:15

Renewable energy for off-grid/rural electrification

Conference Room B

Adnan Z. Amin, Director General, IRENA

Moderator: Salvatore Vinci, Programme Officer - Policy Advice, IRENA

Panelists:

- Carmen Becerril Martinez, Chief International Officer, Acciona
- Harish Hande, Chairman and Founder, SELCO India
- Ishmael Edjekumhene, Executive Director, KITE
- Marcus Weimann, Secretary General, Alliance for Rural Electrification
- Dana Rysankova, Senior Energy Specialist, World Bank

16:10 - 17:15

Promoting Sustainable Energy for All

Conference Room C

Moderator: Ethan Zindler, Head of Policy Analysis, Bloomberg New Energy Finance, BNEF - Bloomberg`s FiRE

Panelists:

- Alex Liftman, Head of the Global Environment Group, Bank of America (tbc)
- Mark Kissel, Bureau of Energy Resources, US State Department
- Bob Freling, Solar Electric Light Fund (tbc)
- Daniel Kammem, Professor, University of California, Berkley (tbc)

Q&A

17:20 - 18:15

New Business models: bringing sustainable energy to the energy poor

Trusteeship Council

Moderator: Klaus Rudischhauser, Deputy Director General, EuropeAid, European Commission

Panelists:

- H.E. Andris Piebalgs, Commissioner for Development, European Union
- Helen Clark, Administrator, UNDP
- H.E. Silas Lwakabamba, Minister of Infrastructure and Energy, Rwanda
- Francesco Starace, CEO, Enel SpA
- Marcus Wiemann, Secretary General, Alliance for Rural Electrification
- Tania Rödiger-Vorwerk, Deputy Director General Directorate 31, German Federal Ministry for Economic Cooperation and Development
- Kandeh Yumkella, SRSG and CEO, SE4All

Q&A

17:20 - 18:15

Expanding Rural Electrification

Conference Room 1

Moderator: H.E. Carlos Pascual, Special Envoy and Coordinator for International Energy Affairs, US Department of State

Panelists:

- Brian O'Hanlon, Director of Business Development, Political and Sovereign Risk Insurance, Overseas Private Investment Corporation
- Caroline McGregor, Policy Analyst, International Affairs, US Department of Energy
- Rosanne Casey, Policy Coordinator Power Africa, Africa Bureau, US Agency for International Development
- · Himesh Dhungel, Global Practice Leader Energy, Millennium Challenge Corporation
- Jay Ireland, President and CEO, GE Africa

17:20 - 18:15

International Energy and Climate Initiative Energy+

Conference Room A

Moderator: H.E. Jon Vea, Ambassador, Norwegian Ministry of Foreign Affairs

Panelists:

- David Reed, Senior Policy Advisor, WWF-US
- Jiwan Acharya, Senior Climate Change Specialist, Asian Development Bank
- Hans Olav Ibrekk, Policy Director, International Energy And Climate Initiative, Energy, Norwegian Ministry of Foreign Affairs

Q&A

17:20 - 18:15

Country Action Progress: Investment Prospectuses

Conference Room B

Moderator: Rohit Khanna, Programme Manager, ESMAP, World Bank

Panelists:

- Mohammad Hossain, Director General, Power Division, Ministry of Power, Energy and Mineral Resources, Bangladesh
- Molly Ward, US State Department
- Xiaoping Wang, Senior Energy Specialist, World Bank
- Idrissa Thiam, Minister of Energy and Water, Guinea (tbc)
- Vice Minister of Energy and Mines, Guatemala (tbc)
- Richenda Van Leeuwen, Executive Director, Energy Access Initiative Team, United Nations Foundation

Q&A

17:20 - 18:15

Asia and Pacific initiatives on SE4ALL

Conference Room C

Moderator: Rae Kwon Chung, Director Environment and Development Division, United Nations Economic and Social Commission for Asia and the Pacific, ESCAP

Panelists:

- Li Junfeng, Director General, National Center for Climate Change Strategy and International Cooperation, National Development and Reform Commission, China (tbc)
- Sheila Oparaocha, Executive Secretary, Energia (tbc)

Q&A

18:15 - 18:30

CLOSING PLENARY

Trusteeship Council

Overflow:

Room 1

Conference

Taking stock of days activities and closing podium remarks

- Kandeh Yumkella, SRSG and CEO, SE4ALL
- Christoph Frei, Secretary General, World Energy Council
- Sheila Oparaocha, Executive Secretary, Energia
- Jorge Pinheiro, Director, R20 Brazil

18:45 - 21:00

SE4ALL ADVISORY BOARD WORKING DINNER

Delegates Dining Room

Closed; by Invitation only

ADVISORY BOARD AND GLOBAL LEADERSHIP DIALOGUE ON SUSTAINABLE ENERGY FOR ALL

8:45 - 9:45 [Private Event]

ECOSOC Joint Dialogues between Advisory Board and Ministers

Closed; by invitation only

9:45 - 10:00 [Private Event]

ECOSOC Photo-op with Advisory Board and Ministers

Closed; by invitation only

TEN YEARS TO TRANSFORM THE WORLD'S ENERGY - UN Decade of Sustainable Energy for All 2014 – 2024

10:00 – 10:20 Opening Remarks:

Trusteeship Council – opens at 9:00

- H.E. Ban Ki-moon, Secretary General of the United Nations
- H.E. Jim Yong Kim, President of the World Bank (video message)

Overflow: ECOSOC opens at 10:00

Official Launch of the UN Decade for Sustainable Energy for All

- H.E. John Ashe, President of the General Assembly of the United Nations
- H.E. Olafur Ragnar Grimsson, President of Iceland

10:20 -10:45 Special Address: Inventing and Investing in a Sustainable Future

Trusteeship Council

- H.E. Andris Piebalgs, Commissioner for Development, European Union
- Helen Clark, Administrator, UNDP
- Luis Alberto Moreno, President, Inter-American Development Bank
- Sir Suma Chakrabarti, President, European Bank for Reconstruction and Development
- Zhang Yuqing, Vice Administrator, National Energy Administration, China (tbc)

THIRD MEETING OF THE SUSTAINABLE ENERGY FOR ALL ADVISORY BOARD

10:45 – 10:55 SE4ALL Progress Report: Achieving Results and Shaping the Future

Trusteeship Council

- Kandeh Yumkella, SRSG and CEO of SE4ALL
- Chad Holliday, Chair of the Executive Committee, SE4ALL

10:55 – 11:25 Progress Reports from Advisory Board Committees:

Trusteeship Council

Advisory Board Committee on Finance:

- Luciano Coutinho, President, Brazilian Development Bank
- Purna Saggurti, Chairman, Global Corporate & Investment Banking, Bank of America

Advisory Board Committee on Access:

- Klaus Rudischhauser, Deputy Director General, EuropeAid, EC
- Reema Nanavaty, Secretary-General, Self-Employed Women's Association, SEWA

Advisory Board Committee on Renewables:

- Adnan Z. Amin, Director General, IRENA
- José Manuel Entrecanales, Chairman and CEO, Acciona

Advisory Board Committee on Efficiency:

- Naoko Ishii, CEO, GEF (tbc)
- · Tim Wirth, Vice Chair, UN Foundation

11:25 - 11:30

Way Forward

Trusteeship Council

- Ban Ki-moon, Secretary General of the United Nations
- Kandeh Yumkella, SRSG and CEO of SE4ALL

GLOBAL LEADERSHIP DIALOGUE

11:35 – 11:45 Lightning Round Kick Starter

Trusteeship Council

Purna Saggurti, Chairman, Global Corporate & Investment Banking, Bank of America

11:45 - 12:45

Global Leaders Panel (I): Catalysing Large Scale Financing and Investment for SE4ALL

Moderator: Rachel Kyte, Vice President for Sustainable Development, World Bank Panel participants (tbc):

- H.E. Salvador Namburete, Minister of Energy of Mozambique
- H.E. Emilio Rappaccioli, Minister of Energy and Mines, Nicaragua
- Luciano Coutinho, President, Brazilian Development Bank
- H.E. Carlos Pascual, Special Envoy and Coordinator for International Energy Affairs, US State Dept
- Marie- José Nadeau, Chair, WEC
- Naoko Ishii, CEO and Chairperson, Global Environmental Facility
- Robert Orr, Assistant Secretary-General for Strategic Planning, UN
- Li Junfeng, Director General, National Center for Climate Change Strategy & International Cooperation, National Development and Reform Commission, China (tbc)
- Michael Eckhart, Managing Director, Citigroup
- Abyd Karmali, Managing Director, Climate Finance, Bank of America Merrill Lynch
- Audrey Choi, CEO, Institute for Sustainable Investing, Morgan Stanley
- Luigi Sampaolo, Vice President, Eni SpA

Q&A with audience

11:35 – 11:45 Lightning Round Kick Starter

ECOSOC Conversation: Lakshmi Puri, Deputy Executive Director of UN Women (tbc) and Kathy Calvin, President and

CEO, UNF with Laura Trevelyan, Anchor, BBC America

11:45 – 12:45 Global Leaders Panel (II): The Energy Linkages

ECOSOC Moderator: Laura Trevelyan, Anchor, BBC America

Panel participants (tbc):

• H.E. Richard Desire Fienena, Minister for Energy, Madagascar

• H.E. Idrissa Thiam, Minister of Energy and Water, Guinea (tbc)

• H.E. Bishop Mario Toso, Secretary and Deputy Minister, Holy See

• H.E. Max Axi Gaye, Minister of Fisheries and Water Resources, Gambia

• H.E. Monty Jones, Special Adviser to President, Ambassador-at-large, Sierra Leone

Kathy Calvin, President and CEO, UNF

• Simon Trace, CEO, Practical Action

Christoph Frei, Secretary General, World Energy Council

• Nelton Miguel Friedrich, CEO, Itapu Binacional Brasil

Elizabeth Thompson, Senior Adviser, SE4ALL

• Radha Muthiah, Executive Director, Global Alliance for Clean Cookstoves

Laura Stachel, Executive Director, We Care Solar

Q&A with audience

12:45 - 14:35 LUNCH

13:00 – 14:30 Closed; by invitation only

Delegates Dining Room

[Private Event] A HIGH-LEVEL LUNCHEON TO WELCOMING THE NEW SE4ALL FORUM

(Hosted By The Co-Chairs of The Group of Friends Of SE4All, Denmark, Pakistan And Norway)

(Parallel) Welcoming remarks by the Co-Chairs of the Group of Friends of SE4ALL:

• H.E. Khawaja Muhammad Asif, Federal Minister for Water and Power, Pakistan

• H.E. Hans Brattskar, State Secretary/Deputy-Minister, Ministry of Foreign Affairs, Norway

Co-Chair and Moderator:

H.E. Ib Petersen, Ambassador, Permanent Representative of Denmark to the UN

Statement from one of the Co-Chairs of the Global Consultations on Energy Post-2015:

H.E. Sospeter Muhongo, Minister of Energy and Minerals, Tanzania (tbc)

Discussants from the Civil Society, Private Sector and International Organizations:

Helen Clark, Administrator, UNDP

Rachel Kyte, Vice President for Sustainable Development, World Bank

Reema Nanavaty, Secretary-General, SEWA

Closing remarks – way forward:

Kandeh Yumkella, SRSG and CEO, SE4ALL

(Parallel)	Networking Lunch
13:10 – 14:30 Trusteeship Council (Parallel)	 World Environment Day special event: SIDS and Clean Energy UNEP Video Message: Achim Steiner, Executive Director Moderator: Elliott Harris, Director of UNEP NY Panelists: John Ashe, President of the General Assembly of the United Nations H.E. Lord Ma'fu, Minister of Lands, Survey, Natural Resources, Environment, and Climate Change and Energy, Tonga Ravinesh Nand, Senior Energy Analyst Department of Energy, Fiji (tbc) Venkat Ramana Putti, Senior Energy Specialist, World Bank Elizabeth Press, Deputy Director, Innovation and Technology Center, IRENA Sheila Watson, Director of Environment and Research, FIA Foundation Representative of the Dominican Republic (tbc)

THE HUMAN FACE OF SUSTAINABLE ENERGY FOR ALL: ENERGY, WOMEN, CHILDREN AND HEALTH

Global Campaign Announcement
 H.E. Lynne Featherstone, Parliamentary Under Secretary of State for International Development, UK (video message)
H.E. Sir Mark Lyall Grant, UK Ambassador and Permanent Representative to the UN

14:50 - 15:20	Global Leadership Panel
Trusteeship Council	Helen Clark, Administrator, UNDP
	Tony Lake, Executive Director, UNICEF (tbc)
Overflow: Conference Room 1	Lakshmi Puri, Deputy Executive Director, UN Women (tbc)
	Babatunde Osotimehin, Executive Director, UNFPA
	 Maria Neira, Director of the Department of Public Health, Environmental and Social Determinants, WHO
	H.E. Hans Brattskar, State Secretary/Deputy Minister, Ministry of Foreign Affairs, Norway

GLOBAL LEADERSHIP DIALOGUE

15:25 – 15:40 REmap2030 Launch

Trusteeship Council Presentation: Adnan Z. Amin, Director General, IRENA

Overflow: Conference Room 1

15:45 - 15:55 Lighting Round Kick Starter

Trusteeship Council Conversation: José Manuel Entrecanales, Chairman/CEO, Acciona and Francesco Starace, CEO, Enel SpA with Matthew Bishop , The Economist

15:55 – 16:55 Global Leaders Panel (III):

Doubling the Share of Renewables in the Global Energy Mix

Moderator: Matthew Bishop, The Economist

Panel participants (tbc):

- H.E. Lord Ma'afu, Minister for Lands, Survey, Natural Resources, Environment, Climate Change and Energy, Tonga
- H.E. Altino Ventura Filho, Secretary of Energy Planning and Development, Ministry of Mines and Energy, Brazil
- H.E. Mike Allen, Special Envoy for Energy, New Zealand
- Sir David King, Foreign Secretary's Special Representative for Climate Change, UK
- Adnan Z. Amin, Director General, IRENA
- José Manuel Entrecanales, Chairman and CEO, Acciona
- Mustapha Bakkoury, CEO, Moroccan Solar Power Agency
- Francesco Starace, CEO, Enel SpA
- Tania Rödiger-Vorwerk, Deputy Director General Directorate 31, German Federal Ministry for Economic Cooperation and Development
- Maja Wessels, Executive Vice President, Global Public Affairs, First Solar
- David Renne, President, International Solar Energy Society
- Arthouros Zervos, Chairman, REN21 and Chairman and CEO of Greek Public Power Corporation
- Steve Sawyer, Secretary General, Global Wind Energy Council
- Kerry Adler, CEO, SkyPower

15:45 - 15:55

Lightning Round Kick Starter

Conference Room 1 Conversation: H.E. Mohammed Wakil, Minister of State for Power, Nigeria (tbc), and James E. Rogers, Retired Chairman, Duke Energy (tbc), with Kandeh Yumkella, SRSG and CEO, SE4ALL

15:55 - 16:55

Conference Room 1

Global Leaders Panel (IV): Ensuring Universal Access to Modern Energy Services

Moderator: Elizabeth Thompson, Senior Adviser, SE4ALL

Panel participants (tbc):

- H.E. Adama Toungara, Minister of Mines, Petroleum and Energy, Côte d'Ivoire
- H.E. Khawaja Muhammad Asif, Federal Minister for Water and Power, Pakistan
- H.E. Silas Lwakabamba, Minister of Infrastructure and Energy, Rwanda
- H.E. Naif Obaid N. Al Otaibi, Deputy Minister, Ministry of Petroleum and Mineral Resources, Saudi Arabia
- H.E. U Khin Maung Soe, Minister of Electric Power, Myanmar (tbc)
- H.E. Désiré Guedon, Minister of Energy and Hydrantic Resources, Gabon (tbc)
- H.E. Hans Brattskar, State Secretary/Deputy Minister, Ministry of Foreign Affairs, Norway
- Janvier Litse, Director, NEPAD & Regional Integration and Trade, AfDB
- Abyd Karmali, Managing Director, Climate Finance, Bank of America Merrill Lynch
- Ceri Powell, Vice President of World Wide Exploration, Royal Dutch Shell
- Brian Dames, former CEO, Eskom
- Klaus Rudischhauser, Deputy Director General, EuropeAid, European Commission
- · Philippe Joubert, Executive Chair, Global Electricity Initiative and Former President, Alstom Power
- Sheila Oparaocha, Executive-Secretary, Energia
- Marcus Wiemann, Secretary General, Alliance for Rural Electrification
- Shamas-ur-Rehman Toor, Partnership and Programme Development Specialist, Islamic Development Bank

17:00 – 17:10 Lightning Round Kick Starter

Trusteeship Council Manhattan Comprehensive Night and Day High School, Zayed Future Energy Prize 2014 Global High School Finalist

17:10 - 18:10

Trusteeship Council

Global Leaders Panel (V): Doubling the Global Rate of Improvement in Energy Efficiency

Moderator: Chad Holliday, Chairman, Bank of America and Chair, SE4ALL Executive Committee

Panel participants (tbc):

- H.E. Karoly Borbely, Vice Minister for Energy, Romania
- H.E. Masahiko Horie, Ambassador for Global Environmental Affairs, Japan
- H.E. Pavol Hamzik, Ambassador at large for Energy Security, Slovakia
- H.E.Fergus O'Dowd, Minister of State of Communications, Energy and Natural Resources, Ireland
- H.E. Kim Kielsen, Minister for Energy, Greenland
- Teresa Ribeira, Deputy Secretary General for Energy Secretariat of the Union for the Mediterranean
- Lutaf R. Kassam, Group Managing Director, Industrial Promotion Services Limited
- Steve Howard, Chief Sustainability Officer, IKEA
- Greg Scheu, CEO ABB North America
- Lisa Jacobson, President, Business Council for Sustainable Energy
- Hege Marie Norheim, Senior Vice President, Statoil
- Martin Hiller, Director General, Renewable Energy and Energy Efficiency Partnership
- Sze Ping Lo, CEO, WWF China
- Josué Tanaka, Managing Director, Operational Strategy, EBRD
- Martha Cheruto Nyang, Executive Officer, Kenya Association of Manufacturers
- Reid Detchon, Vice President, Energy and Climate, UN Foundation

17:00 - 17:10

Lightning Round Kick Starter

Conference Room 1

Conversation: Harish Hande, Managing Director, SELCO with Boason Omofaye, Bloomberg TV Africa (tbc)

17:10 - 18:10

Global Leaders Panel (VI):

Conference Room 1

Catalysing Bottom-up Financing and Investment for Sustainable Energy for All

Moderator: Boason Omofaye, Bloomberg TV Africa

Panel participants (tbc):

- H.E. Maimouna Ndoye Seck, Minister of Energy, Senegal (tbc)
- H.E. Sospeter Muhongo , Minister of Energy and Minerals, Tanzania
- H.E. Saja Sanneh, Deputy Minister of Energy, Gambia
- Jiwan Acharya, Senior Climate Change Specialist, Asian Development Bank
- Gyan Chandra Acharya, High Representative, LDCs, SIDS and LLDCs
- Evan Greenfield, ESG & Impact Investment Strategy Leader, Americas, Deutsche Bank
- Reema Nanavaty, Secretary-General, SEWA
- Kimball Chen, Chairman, GLPGP and President, WLPGA
- Zia Khan, Vice President for Initiatives and Strategy, The Rockefeller Foundation
- David Reed, Senior Policy Adviser, WWF US
- Christine Eibs-Singer, Senior Advisor, SE4ALL
- Nicola Armacost, Managing Director, Arc Finance
- Ishmael Edjekumhene, Executive Director, KITE

Q&A

18:15 - 18:30

WRAP UP PLENARY

Trusteeship Council

- Kandeh Yumkella, SRSG and CEO, SE4ALL
- H.E. Sam G. Russ, Deputy Minister of Lands, Mines and Energy, Liberia (tbc)
- Overflow: Conference Room 1
- H.E. Edmond Alphandéry, former French Minister of the Economy, and Chairman of the Centre for the European Policy Studies (CEPS)
- · Distinguished guest remarks

SE4ALL PARTNERS RECEPTION

18:40 - 20:30

All Forum participants invited

UN Delegates Dining Room

- Welcome Remarks
- Guest Speakers

HIGH-LEVEL MINISTERIAL DIALOGUE: ENERGY IN THE POST 2015 DEVELOPMENT AGENDA

9:00 - 9:15

Opening Remarks

ECOSOC opened at 8:30

- Kandeh Yumkella, SRSG and CEO, SE4ALL
- . H.E. Martin Sajdik, Permanent Representative of Austria to the UN and President of ECOSOC
- H.E. Felipe Calderón, former President of Mexico

9:15 - 11:45

Remarks from High-Level participants

ECOSOC

Remarks from Heads of States

• H.E. Olafur Ragnar Grimsson, President of Iceland

Remarks from Ministers

Remarks from distinguished governmental representatives

11:45 - 12:40

ECOSOC

Messages from major international gatherings, conferences and events related to sustainable energy for all

Remarks from Multi-Stakeholders

- Remarks from business leaders
- Remarks from CSO, women and youth leaders
- Remarks from International Organizations

12:40-13:00

Closing Plenary: Mobilising All Stakeholders Towards Sustainable Energy for All

ECOSOC

- Jan Eliasson, United Nations Deputy Secretary General (tbc)
- José Ángel Gurría , Secretary-General, OECD (tbc)
- Fred Krupp, President, Environmental Defense Fund
- Kandeh Yumkella, SRSG and CEO, SE4ALL

ACKNOWLEDGEMENTS

Steering Committee of the first Sustainable Energy for All Forum

The following organizations have served as the members of first Sustainable Energy for All Forum to provide strategic guidance and ensure quality organization of the forum.

- Accenture
- Bloomberg New Energy Finance
- CAFOD
- Department for International Development, UK
- Friends of Sustainable Energy for All (Co-chairs: Denmark, Norway and Pakistan)
- European Commission
- Global Alliance for Clean Cookstoves
- Global Environment Facility
- International Renewable Energy Agency
- IUCN
- Masdar
- Practical Action
- Student Energy
- The Energy and Resources Institute (TERI)
- United Arab Emirates
- UN Department of Public Information
- UN Development Programme
- UN-Energy
- UN Foundation
- UN Global Compact
- UN Office for Partnerships
- UN Non-Governmental Liaison Service
- UN Special Envoy on Youth
- U.S. Department of State
- World Bank
- World Energy Council

SE4ALL Forum organizing secretariat

Sustainable Energy for All's Global Facilitation Team, serving as the secretariat, coordinated the planning, preparation and organization of the forum with support from specialists and experts drawn from the steering committee organizations and other partners. The core organizing team included Minoru Takada (Chair of the Steering Committee), Amir Bahr, Andrew Ingram, Anthony Kamara, Ben Leitner, Blessing Ighedosa, Christine Eibs Singer, Daren Cheatham, Dominika Zahrer, Elizabeth Morlock, Elizabeth Thompson, Eyal Ben-Zwi, Harriet Osias, Isabel Raya, Jenny Law, Jonas Von Freiesleben, Labib Sahab, Lili Nikolova, Luis Gomez- Echeverri, Martin Niemetz, Mohinder Gulati, Monika Froehler, Natabara Rollosson, Ornesha A. Reagan, Pragati Pascale, Susan McDade, Svetlana Izrailova, Syed Mafiz Kamal, Thomas Schuldt and Trym Oust Sonstad.

INFORMATION FOR FORUM PARTICIPANTS - DIGITAL AND SOCIAL MEDIA

The Sustainable Energy for All Forum will be live-tweeted using #SE4ALLForum. In addition, +Social Good (plussocialgood.org), a digital platform run by the UN Foundation and the UN Development Programme, will feature short interviews and original content, using #socialgood. Join the conversation!

IISD Reporting Services will provide daily bulletins and digital coverage as well as a summary report of the Forum, including photographs. Coverage of the Forum will be available online at www.iisd.ca from 4 June 2014 or by free subscription (sign up at www.iisd.ca/email/subscribe.htm) and will be sent out on social media using @IISDRS.

Much of the Forum will webcast, live and on-demand, at webtv.un.org. In addition, UNTV will broadcast the Forum live on 4-6 June. TV packages will be available to broadcasters through unmultimedia.org/tv/unifeed/ Broadcast quality video files can be requested from video-library@un.org.

Selected photographs of the Forum will be available from UN Photo online, along with other multimedia materials, at www.unmultimedia.org. Additional photos and high-resolution files can be obtained by contacting the UN Photo Library at photolibr@un.org.



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