

# LPAA FOCUS ON ENERGY

DECEMBER 7th, 2015 • 10:15-18:45

BLUE ZONE • OBSERVER ROOM 10

ORGANIZED BY: IRENA AND SUSTAINABLE ENERGY FOR ALL



Transformation of the global energy system forms the backbone of climate action.

Without significant action towards decarbonisation, the chances of keeping global temperature rise below 2°C are low if not impossible. Global demand for energy is skyrocketing; direct energy emissions are projected to double or triple by 2050. Projections should however not be confused with inevitability. Readily available, technologically sound and economically viable options are today allowing countries to develop and prosper with minimal adverse environmental impacts.

Recognizing the centrality of energy to the climate solution, and in line with UN Sustainable Development Goal #7 on energy, **renewable energy**, **energy efficiency**, and **energy access** will be at the core of Energy Day at COP21.

## 10:15-12:45

Welcome by **Rachel Kyte**, Vice-President and Special Envoy for Climate Change, World Bank Group, and Designate Special Representative of the UN Secretary-General (SRSG) and CEO of Sustainable Energy for All (SE4All) and **Adnan Z. Amin**, Director-General, International Renewable Energy Agency (IRENA)

Keynote speakers:

**Ségolène Royal**, Minister of Ecology, Sustainable Development and Energy, France  
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## Part I: Decarbonising energy: the transformative role of renewables

*The progress of renewable energy deployment is remarkable, but more action is needed to remain on a 2 degree pathway. In order for renewable energy to form the basis of the future energy system, the deployment of renewable energy and the implementation of energy efficiency measures must become universal and systematic. We must utilise all technologies, mobilise all actors, scale-up renewable energy in all regions of the world and mobilise funds.*

Moderator:

**Victor Kgomoewana**, journalist

Chair of the RE segment:

**Adnan Z. Amin**, Director-General, International Renewable Energy Agency



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*From India to Africa to SIDS, renewable energy and energy efficiency initiatives are shaping the future of energy systems worldwide.*

## **Session I: Transformation: What will the energy mix of the future be?**

*Launch of the Global Geothermal Alliance and the International Solar Agency, plus announcements and new developments in sustainable biofuel, hydro, and grid integration.*

### *Solar, Biofuels, Hydro*

- **Børge Brende**, Minister of Foreign Affairs, Norway
- **Shri Prakash Javadekar**, Minister of environment, India \*
- **Luciano Coutinho**, President, The Brazilian Development Bank

### *Global Geothermal Alliance*

- **Olafur Ragnar Grimsson**, President of Iceland
- **Ségolène Royal**, Minister of Ecology, Sustainable Development and Energy, France
- **Judy Wakhungu**, Minister of environment, Kenya
- **René Orellana**, Minister of planification and development, Bolivia\*

### *Reinforcing renewable integration on the grid*

- **Boris Schucht**, CEO, "50Hz "
- **Joel Mwale Manda**, Senior Manager, Renewable Energy, Copperbelt

## **Session II: Countries, cities, companies are going towards 100% renewable**

*Announcements on the progress and future plans for expansion of the SIDS Lighthouses Initiative, which targets renewable energy development on SIDS. In addition, major fortune 500 companies commit to 100% renewables under the RE100 initiative.*

### *SIDS Lighthouses*

- **Henry Puna**, Prime Minister, Cook Islands
- **Jayeshwur Raj**, Minister of Environment, Sustainable Development, and Disaster and Beach Management, Mauritius
- **Barbara Hendricks**, Minister for Environment, nature Conservation, Building and Nuclear Safety, Germany
- **Denis Lowe**, Minister of Environment and Drainage, Barbados
- **Jules Kortenhorst**, Climate War Room/Rocky Mountain Institute

### *Raising the bar*

- **Paul Oquist**, Minister secretary of Presidency and Private Secretary for National Policies of President, Nicaragua
- **Saeed Al Tayer**, Vice-Chairman of the Dubai Supreme Council of Energy and Managing Director and CEO of Dubai Electricity and Water Authority
- **Gregor Robertson**, Mayor of Vancouver, Canada
- **Peter Agnefjäll**, Chief Executive Officer, IKEA
- **AD Huang**, General Manager, Build Your Dreams China

## **Session III: Scaling up deployment through financial engagement**

*An in-focus dialogue on financing for renewables highlighting commitment from both public and private actors, the launch of IRENA's Sustainable Energy Marketplace, and announcement on the Green Bond initiative for renewables*

### *Financing for renewables*

- **Sultan Ahmed Al Jaber**, Minister of State, United Arab Emirates
- **Kyung-Ah Park**, Head of Environmental Market, Goldman Sachs
- **Thomas Puiquemal**, Group Senior Executive Vice President, Group Finance, EDF

- **Amal-lee Amin**, Chief climate change and sustainability division, IADB

## Part II: Africa in motion (renewable and access)

13:15-14:45

*IRENA establishes that Africa has a renewable energy potential of over 300 GW. Yet two-third of the 1.4 billion persons without access to electricity are Africans. For Africa to realize a clean, secure energy future, the energy mix must mobilise the untapped and considerable renewable energy sources. The Africa Renewable Energy Initiative responds to this opportunity and is supported by donors and complementary "corridors".*

*In addition, due to important cost reductions in recent years, the business case for deploying grid and off-grid renewable in rural areas has never been stronger. Further tapping into this vast potential, requires collective efforts to create an enabling environment that supports the scale-up of initiatives for access to clean and affordable energy through public and private sector participation. Enabling policies can also create a more secure environment to encourage investment.*

*Moderator:*

**Kandeh Yumkella**, former Representative of the UN Secretary-General, and Chief Executive, Sustainable Energy for all Initiative

*Opening*

**Laurent Fabius**, Minister of Foreign Affairs and International Development, France or **Annick Girardin**, Minister of State for Development and Francophony, France

### **Session I: Launching the Africa Renewable Energy Initiative**

*Keynote speeches*

**Khaled Fahmy**, Minister of Environment, Egypt, Chair of AMCEN

**Elham Ibrahim**, Commissioner for Infrastructure and Energy, AU Commission

- **Akinwumi Adesina**, President of the African Development bank\*
- **Andrew Herscovitz**, Coordinator, President Barack Obama's Power Africa Initiative\*
- **Gerd Müller**, Minister for Economic Cooperation and Development, Germany\*
- **Grant Shapps**, Minister of State for International Development, UK
- Minister, **China**\*
- **Other donors** (TBD)

*Signature of declaration of intent in support of the Africa Initiative*

- **Germany, and other supports** of the Africa Renewable Energy Initiative

### **Session II: Signature Ceremonies**

*Commissioner Mimica and other donors will sign on stage joint declarations for Sustainable Energy for All in Africa with African partners.*

- **Neven Mimica**, European Commissioner in charge of International Cooperation and Development
- **Nigeria; with France, Germany, Italy, UK and Spain**
- **Benin; with France**
- **Senegal; with France and Germany**
- **Cameroon; with France**
- **Kenya, with France, Italy, the Netherlands and the US**
- **Madagascar, with France and Germany**

- **Indian Ocean Commission**

### **Session III: Africa in motion: regional approaches**

*African Clean Energy Corridors progress since 2014 Climate Summit and plans for future.*

- **Jabulile Mashwama**, Minister for Natural Resources and Energy, Swaziland
- **Kadre Desire Ouedraogo**, President, ECOWAS Commission, West Africa CEC
- **Carlos Lopez**, Executive Secretary, Economic Commission for Africa

### **Session IV: The importance of access to clean energy**

*Operational launch of Electrification Finance Initiative (ElectriFI) and private sector response to Africa and other countries's call for improving access to sustainable energy.*

*Keynote speech: Neven Mimica*, European Commissioner in charge of International Cooperation and Development

- **Radha Muthiah**, CEO, Global Alliance for Clean Cookstoves
- **Mahmood Malik**, CEO, IDCOL, Bangladesh
- **Harry Verhaar**, CEO, GOGLA

## Part III: The Energy Efficiency Global Movement

**15:15-18:10**

*Energy efficiency is now fully recognized as the major contributor to fight climate change. According to the IEA, it can achieve 50 percent of the reduction in CO<sub>2</sub> emissions needed by 2030 to stay on a 2 degree track. Massive investment in Energy Efficiency needs to four-fold. Therefore, banks and investors, but also all sectors must be mobilized, and policy maker must mainstream energy efficiency. This sequence will highlight the mobilization of the finance sector, the cities, the private sector and countries. It will highlight how 5 major initiatives related to buildings, district efficiency, fuel efficiency, appliances and lighting can go a long way to cut down emissions. In 2015, the 100/100/100 campaign from SE4All has catalyzed a global movement for Energy Efficiency.*

*Moderator:*

**Jonathan Charles**, Director of Communications, European Bank for Reconstruction and Development (EBRD)

*Chair: Introductory remarks*

**Rachel Kyte**, Vice-President and Special Envoy for Climate Change, World Bank Group, and Designate SRSR and CEO of SE4All

### **SCENE SETTING – THE POTENTIAL SOLUTION TO 50% OF THE GHG EMISSIONS REDUCTION REQUIRED FOR A 2 DEGREE PATHWAY**

- **Fatih Birol**, Executive Director, International Energy Agency (IEA)
- **Ajay Mathur**, Director General, Bureau of Energy Efficiency, India

### **Session I: Finance sector ready to scale up investment**

*2015 is a turning point for banks and investors engagement in energy efficiency*

Moderator: **Jonathan Charles**, Director of Communications, EBRD

- **Josué Tanaka**, Managing Director, EBRD
- **Ebru Dildar Edin**, Executive Vice-President, Project Finance, Garanti Bank, Turkey
- **Sylvie Lemmet**, Co-Chair, G20-IPEEC Task Group on Energy Efficiency and Finance, France
- **Naoko Ishii**, CEO, Global Environment Facility (GEF)
- **Laura Tuck**, Vice President of Sustainable Development, World Bank

- **Geeta Aiyer**, President and Founder of Boston Common Asset Management

## **Session II: Focus on two initiatives – Building and District efficiency**

<i>Moderator: <b>Achim Steiner</b>, Executive Director, United Nations Environment Programme (UNEP)</i>
Video + <i>Building Focus Dialogue:</i> <ul style="list-style-type: none"> <li>- <b>Andrew Steer</b>, President and CEO, World Resources Institute (WRI)</li> <li>- <b>Jean-Pascal Tricoire</b>, CEO, Schneider Electric</li> </ul>
Video + <i>District Energy Focus Dialogue:</i> <ul style="list-style-type: none"> <li>- <b>Niels Christiansen</b>, CEO, Danfoss</li> <li>- <b>Matthew Pencharz</b>, Deputy Mayor for Environment and Energy, Greater London Authority</li> </ul>

## **Session III: The role of policy, long term vision and action plans**

*Countries, regions and cities demonstrate the benefits of long term vision, policy and action plans in energy efficiency.*

### **Jurisdictions commit:**

Moderator: **Jonathan Charles**, Director of Communications, EBRD

- **Hugo Martinez**, Minister of Foreign Affairs, El Salvador
- **Datuk Ismail Ibrahim**, Executive Director, Iskandar, Malaysia
- **Jonathan Mueke**, Deputy Governor, Nairobi City County
- **Nejib Derouiche**, Minister of Environment and Sustainable Development, Tunisia
- **Isabella Loevin**, Minister of Development, Sweden
- **Kelly Speakes-Backman**, Senior Vice-President, Alliance to Save Energy, USA

## **Session IV: Focus on two initiatives – Fuel efficiency and Appliances**

<i>Moderator: <b>Achim Steiner</b>, Executive Director, United Nations Environment Programme (UNEP)</i>
Video + <i>Vehicle efficiency Focus Dialogue:</i> <ul style="list-style-type: none"> <li>- <b>Lord Georges Robertson</b>, FIA Foundation</li> <li>- <b>Marcelo Mena</b>, Vice Secretary of Environment, Chile</li> </ul>
Video + <i>Appliances Focus Dialogue:</i> <ul style="list-style-type: none"> <li>- <b>Anthony Lea</b>, CEO, International Copper Association</li> <li>- <b>Ragip Balçoğlu</b>, Vice-President Arçelik, Turkey</li> </ul>

## **Session V: Private sector commitments to energy use reduction**

*Beyond its operations, the private sector is engaged in partnerships for significantly scaling up energy efficiency, including efficient products and solutions.*

Moderator: **Jonathan Charles**, Director of Communications, EBRD

### *Companies Commit – We Commit Campaign, panel*

- **Jean-Marc Ollagnier**, CEO, Accenture Resources
- **Luis Neves**, Chairman, Global e-Sustainability Initiative, (GeSI)
- **Nigel Topping**, CEO, We Mean Business, and Executive Director, Carbon Disclosure Project (CDP)
- **José Antonio Vargas Lleras**, CODENSA utility, Colombia
- **Ulrich Spiesshofer**, CEO, ABB
- **Oleg Deripaska** President, RUSAL

## **Session VI: Focus on a major initiative on energy efficiency**

Two major coalitions in lighting (*En.lighten* reinforced by CEM Global Lighting Challenge) show that a radical transformation is underway.

Moderator: **Jonathan Charles**, Director of Communications, EBRD

*Dialogue:*

- **Eric Rondolat**, CEO, Philips Lighting
- **Neelima Jain**, National Programme Manager, Energy Efficiency Services Limited, India
- Plus 2 other guests from the Clean Energy Ministerial

## Part IV – Keeping the momentum – 2016–2020

**18:10-18:45**

*Brief opening introduction*

**Rachel Kyte**, Vice-President and Special Envoy for Climate Change, World Bank Group, and Designate SRSG and CEO of SE4All

*Closing panel*

- **Ban Ki-Moon**, UN Secretary-General
- **Ségolène Royal**, Minister of Environment, Energy and Sustainable Development, France
- **Hakima El Haite**, Minister Delegate in Charge of Environment, Morocco, COP22 president
- **Ernest Moniz**, Secretary of Energy, USA
- **Xu Shaoshi**, Chairman of the National Development and Reform Commission (NDRC), China, G20 president \*
- **Mogens Lykketoft**, President of the UN General Assembly

*Brief statements thanking SG and panelist*

- **Adnan Amin**, Director General, IRENA

\*To be confirmed