

# A G E N D A

## RES4AFRICA ZAMBIA PROGRAM LAUNCH

ENHANCING THE RENEWABLE  
ENERGY TRANSITION IN ZAMBIA

*Intercontinental Hotel, Lusaka  
November 27<sup>th</sup> - 28<sup>th</sup>, 2018*

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## SETTING THE CONTEXT

*Sub-Saharan Africa is one of the wealthiest regions in terms of renewable energy resources, but lacks capabilities to exploit them, reflecting low electricity production from solar and wind. Thanks to the continent's dynamic economic and population growth, and falling technology costs, renewable energy investments are considered a key solution to introduce widespread affordable, reliable and sustainable energy access to the region. Despite positive trends in term of technology and economic feasibility of renewable energy projects, today almost 600 million people still live without access to energy in the region and this number will grow in the next years.*

*Zambia, as many other African countries is rich in terms of renewable energy sources, in particular hydro and solar, but access to electricity is only 31% with very low rate in rural areas (4%). The Zambian energy system is characterized by hydro energy that cover about 90% of total production. In the last few years, being affected by climate change with long periods of droughts, Zambia needs to differentiate its generation mix and variable renewable energy, such as wind and solar, could play a key role in the next years.*

*This potential of renewable energy investments was already captured by the previous RES4Africa Conferences in Addis Ababa (October 2017) and Nairobi (January 2018), where multi-stakeholder interests and market development efforts were identified first-hand. After the experiences in East-Africa, RES4Africa identified Southern-Africa as an important region of focus where renewable energy can reap significant benefits in terms of market development, improving people's lives and livelihoods.*

## THE EVENT

*RES4Africa aims to create an enabling environment for renewable energy investments in Sub-Saharan Africa countries. In particular, in Zambia RES4Africa supports the transition to variable renewable energies, like solar and wind, that is already started, as showed by Scaling Solar and GET FiT Programmes.*

*RES4Africa, with the support of many partners, organizes a regional conference, to enable a dialogue on the latest insights for the deployment of RE solutions in Zambia. The event is tailored towards building on the ongoing policy dialogue, and scaling existing networks for companies to connect and form partnerships. The conference will include partners from key African markets, and will gather relevant international and African stakeholders such as IFI's, manufacturers, institutional actors, international organizations, academia, and civil society to enable a comprehensive discussion.*

*RES4Africa Program Launch 2018 in Zambia is designed as a country conference with regional focus on all the countries of Southern-Africa region. The conference will shed light on key topics for renewable energy deployment such as policy mechanism to enhance sustainable and bankable projects, technological and technical issues on and off-grid, capacity building and socio-economic benefits to local economies. The **B2B sessions**, that will take place in parallel to the conference, will be an opportunity for local and international companies to connect and foster new business opportunities and partnership with our members. Finally, a **light exhibition** will give the possibility to companies to display their products or services.*



**11:30 Coffee break**

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**12:00 Session 2 - A feasible roadmap to integrate non-dispatchable renewable energy in the national electric system**

*The session will focus on the integration of variable renewable energy in the national electric system, shedding light on the most important challenges from a technical and regulatory point of view and analysing possible solutions according to the European and South African experience.*

*The session will also focus on the benefits of fostering regional integration within the Southern African Power Pool: extending power interconnections and power trade is key to efficiently satisfy growing power demand inside the SAPP region, while integrating large amounts of new intermittent RE capacities to reduce power generation costs.*

**Keynote speaker:**

Arturo Sferruzza Partner, Norton Rose Fulbright

**Roundtable moderator:**

Silvia Piana Head of Regulatory Affairs Africa, Asia and Australia, Enel Green Power

**Discussants:**

Arnold Milner Simwaba	Director, Ministry of Energy
Steven Mwiingu	Senior Manager, Energy Regulation Body (ERB)
Abraham M. Sashi	Senior Manager System Operations and Power Trade, ZESCO
Brian Dlamini	Planning Engineer, Southern African Power Pool (SAPP)
Francesco Rizzo	Africa Area Manager, CESI
Bill Price	South Africa Country Manager, Enel Green Power
Riccardo Siliprandi	Principal, Pöyry Management Consulting Italy

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**13:00 Lunch break**

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**Afternoon session – B2B meetings running in parallel**

**14:30 Capacity building to accelerate access to energy**

*To achieve universal access to energy we need to create a young, talented and dynamic generation of professional engineers, managers, technicians and entrepreneurs, skilled at developing and managing decentralized renewable energy projects.*

*Zambia Solar Energy Centre of Excellence, Micro-Grid Academy, Strathmore SERC and Open Africa Power present their initiatives to reach this goal.*

**Roundtable moderator:**

Marco Aresti Access2Energy Manager, RES4Africa

**Discussants:**

Prof. Prem Jain	Department of Physics, University of Zambia, UNESCO Chair in Renewable Energy and Environment
Lloyd Chabala Ngo	Project Manager Renewable Energy, UNDP

Christian Zulberti  
Claudio Pedretti  
Ignatius Waikwa

Head of Relations with Universities and Research Centers, Enel Foundation  
Business Development Manager, WindKinetic  
SERC, Strathmore University

**15:00 Session 3 - Best practices for successful auction program: connecting public sector and investors in emerging RE markets**

*The session will shed light on the complex tendering process in emerging RE markets. With a holistic approach, the discussion will consider critical points from the perspective of both public and private sector. How could a tender answer the needs of these two categories of stakeholders? How can public and private sectors work together to maximize the total value creation?*

**Keynote speaker and roundtable moderator:**

Michele Porri Head of Business Development Africa, Enel Green Power

**Discussants:**

Changala S. Nswana	Director Strategy and Corporate Services, ZESCO
Judith Raphael	Director GET FiT Zambia
Micheal Mulasikwanda	Principal Power Development Officer, Ministry of Energy
Soumya Banerjee	Principal Investment Officer, IFC
Mathieu Legoux	Zambia Country Director NEOEN

**16:00 Session 4 - Managing local content requirements in renewable energy projects**

*Local content requirements in RE tenders can enhance social and economic benefits in the country, but they have to be properly managed in order to avoid negative impacts on the reliability of the project and on the final cost of energy. The session will provide international benchmarking and lessons learned.*

**Keynote speaker and roundtable moderator:**

Byron Ascott Evans Engagement Manager, McKinsey & Company

**Discussants:**

Kayula Siame	Permanent Secretary, Ministry of Commerce, Trade and Industry
Chimuka Nketani	Senior Manager Investments, Industrial Development Corporation (IDC)
Harriet Zulu	Principal Energy Officer, Ministry of Energy
Andrea Gattini	Head of Business Development Southern Africa, Enel Green Power
Moses Banda	Director, Kalahari Geoenergy Ltd

**17:00 Vote of thanks**

Matongo Matamwandi Director Investments, Zambia Development Agency

**17:15 Closing remarks**

Roberto Vigotti Secretary General, RES4Africa







**Discussants:**

Jalel Hamila

Deo Onyango

Lorenzo Carnelli

Glauco Pensini

Oliviero Armezzani

Filippo Carzaniga

VP Sales Middle East & Africa, JA Solar

Sales Director Africa, GE

CEO, FRIEM

Export Sales Director, SIEL

Managing Director & Member of the Board, CONVERT Italia

Director General, FIMER

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**13:00 Session 10 - Managing environmental & social risks to achieve bankability**

*Renewable energy investment opportunities require an evaluation of environmental and social risks early on in the project lifecycle. A key component to a successful project is making sure that it is 'bankable' from an environmental and social risks perspective, making it attractive to lenders and investors. The session will highlight how to address environmental and social risks to ensure that renewable energy projects are financially sustainable from the start of the project to construction and operation.*

**Keynote speaker:**

Stephan van den Berg

Principal Consultant, ERM

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**13:15 Conclusion**

Roberto Vigotti

Secretary General, RES4Africa

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**13:30 Lunch break**

## WHO WE ARE

*Renewable Energy Solutions for Africa - RES4Africa - is a network of key international energy stakeholders - utilities, industries, agencies, technical service providers and academia - engaged in promoting renewable energies in the Sub-Saharan African continent. Its mission is to support the deployment of renewable energy, both large scale and distributed energy, and their integration in the local and regional markets to satisfy local energy needs. RES4Africa encourages the set-up of partnership formulas to provide decision makers with the viewpoint of the private sector and to stimulate investment opportunities along the entire supply chain, through networking activities for market operators, industry associations and other key stakeholders.*

*RES4Africa aims to create an enabling environment for renewable energy investments in Sub-Saharan African countries by:*

- 1. Acting as a connecting **platform for dialogue & strategic partnerships** between members and partners to exchange perspectives and foster cooperation;*
- 2. Providing **technical support & market intelligence** through dedicated studies and recommendations based on members' know-how to advance RE markets;*
- 3. Leading **capacity building, training and innovation** efforts based on members' expertise to enable skills and knowledge transfer that support long-term RE market creation;*

*The three strategic work streams focus on the most relevant themes, from financing and business models, to policy and regulation, socio-economic development and technical feasibility, innovation and sustainability.*

## SUGGESTED PRE-READINGS

*Publications are available in the library session of RES4Africa website [www.res4africa.org](http://www.res4africa.org)*

**RES4Med & Africa**

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## Event Partners:



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