



World Wind Energy Association

# Improving Investment Conditions for Wind and Other Renewables in the Developing World

## Challenges, Prospects, and Solutions

### Conference Organised by World Wind Energy Association

24 October 2014 - Bonn, Germany\*

09:30 - 10:00	Registration
10:00-11:30	<p><b>Session I: Investment Conditions in RETs Sector: Evidences from Pakistan's Wind Energy Market</b></p> <p><i>The session focuses on the first phase of the research project that had been concluded in Pakistan. The speakers will share their view about the Pakistani wind energy market and the barriers faced by it. The sole purpose of the session is to set the stage for further deliberations.</i></p>
<p><b>Moderator: Dr. Roland Rösch, Senior Programme Officer IITC Bonn, IRENA</b></p>	
10:00	Welcome by Mr. Stefan Gsänger, Secretary General World Wind Energy Association
10:05	"Scaling-up wind power deployment in Pakistan – A multi-stakeholder perspective" Speaker: Sohaib Malik, Research & Policy Analyst WWEA
10:20	"Challenges faced by public officials in developing countries - Pakistani perspective" Speaker: Mr. Asjad Imtiaz Ali, Chairman Federal Flood Commission – Former CEO Alternative Energy Development Board, Pakistan (AEDB Nominee)
10:35	Address by Khawaja Muhammad Naem, Member (Tariff) National Electric Power Regulatory Authority, Pakistan (NEPRA)
10:50	Address by H.E. Ameer Khurram Rathore, Deputy Head of Mission, Embassy of the Islamic Republic of Pakistan in Berlin, Germany
11:00	Inauguration address by H.E. Christiana Figueres, Executive Secretary UNFCCC (tbc)
11:10	Q & A Session and concluding remarks by moderator
11:20-11:45	<b>Coffee Break</b>
11:45-13:30	<p><b>Session II: Mapping the Sufficiency of Existing Support Mechanisms for the Developing World</b></p> <p><i>The session is dedicated to analyse the existing support mechanisms offered by multilateral institutions and their sufficiency, or a lack thereof, for the promotion of RETs in the developing world.</i></p>
<p><b>Moderator: Stefan Schurig, Climate Energy Director, World Future Council</b></p>	
11:45	Presenting the existing support mechanisms and frameworks – UNFCCC Finance Team (tbc)
12:00	"Present status of renewable energies investment conditions in the developing world", Laura E. Williamson, Communication & Outreach Manager REN21
12:15	Address by Norbert Gorissen, Alternate Member of the Green Climate Fund Board, Head of Division International Climate Finance, BMU Germany (tbc)
12:30	Intervention Dr. Robert Dixon, Team Leader of the Climate Change and Chemicals Team, Global Environment Facility
12:45	IRENA Project Navigator – Dr. Roland Roesch, Senior Programme Officer IRENA
13:00	"KfW's experiences in developing economies' RET markets" – Dr. Jan Martin Witte, Head of Division Infrastructure Southern Africa, KfW Entwicklungsbank
13:15	Q & A Session and concluding remarks by moderator
13:30-14:15	<b>Lunch</b>
14:15-15:15	<p><b>Session-III: Devising the Way Forward</b></p> <p><i>Capitalising on the discussions in the previous sessions, this session intends to deliberate on the potential policy tools that can mitigate existing barriers in an effective and efficient manner</i></p>
<p><b>Moderator: Sohaib Malik, World Wind Energy Association</b></p>	

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14:15	Present status of the Green Climate Fund and proposed investment frameworks, Marcelo Jordan, Green Climate Fund (tbc)
14:30	Intervention by the World Future Council – Stefan Schurig, Climate Energy Director WFC
14:40	IRENA Roadmap (RE2030) – How can the Green Climate Fund help to achieve SE4ALL goals? Michael Taylor, International Renewable Energy Agency (IRENA)
14:55	“Global landscape of project finance for wind energy projects”, Dr.-Ing. Patric Kleineidam, Head of Department Wind Energy, Lahmeyer International GmbH
15:10	“Role of cities in creating enabling environment for RETs investments”, Maryke van Staden, Low Carbon Cities Program Manager, ICLEI Local Governments for Sustainability
15:20-15:45	<b>Coffee Break</b>
<b>Session-IV - Interactive Session</b>	
15:45-17:00	<i>The purpose of this session is to further deliberate on innovative policy mechanisms. The interventions will be multiple and the moderator will make it sure to manoeuvre the discussion towards finding way outs for the problems causing hindrance in RET investments.</i>
<b>Moderator: Stefan Gsänger, Secretary General World Wind Energy Association</b>	
Multiple interventions by participants Concluding remarks and Vote of thanks	

## Supporters



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# **Improving Investment Conditions for Wind and Other Renewable Technologies Deployment in the Developing World**

## **Challenges, Prospects, and Solutions**

### **Background**

The role of energy in poverty reduction and economic development is uncontested. Today, there are nearly 1.3 billion people living without modern electricity services and 2.6 billion are relying on unsustainable solid fossil fuels for cooking and heating. To break the vicious circle of poverty and guarantee their inclusion in economic activities to offer socio-economic welfare to these underprivileged communities, access to modern and reliable electric power ought to be ensured. On the other hand, there is overwhelming evidence that those who have access to these services tend to trigger climate change because of the existing energy systems' significant contributions in greenhouse gas emissions. Therefore, the provision of electricity services to the poor along with bringing a paradigm shift in our energy consumption patterns in urban and rural communities is utmost necessary. To ensure an energy secure future in the modern world without compromising our standards of living, in an economically and ecologically beneficial manner, our communities and governments need to heed the concerns raised due to our unsustainable procurement and consumption patterns in energy sector.

Innovations that took place in the field of renewable energies technologies (RET) in the recent past offer an opportunity to overcome these challenges, and the same has been endorsed by public policymakers. Many local, sub-national, national governments and intergovernmental institutions are targeting the deployment of RETs to reap the benefits of abundantly available renewable sources of energy. However, fulfilling the gap of the required scale of technological and financial resources seems too challenging for public resources exclusively. In response to this, the governments are putting in place various support mechanisms and creating an enabling environment to mobilise the private sector resources. The policy tools employed by various governments might differ in their design and engineering; however, the nature and targeted goals of these mechanisms remain the same.

The research paradigm in the field of RETs policies in the developing world is mainly focused on the applicability of different support mechanisms and how they can be adopted in a given market. There are however some developing markets, such as Pakistan, that have introduced favourable support mechanisms for quite some years but remain in the nascent stage of market development. While considering the importance to evaluate the causes of the ineffectiveness of various support mechanisms, the WWEA commissioned a research study in Pakistan in collaboration with the Heinrich Böll Stiftung Pakistan. The research was completed with support from Alternative Energy Development Board (a federal government agency), and AVT Channels (Pvt) Ltd. Pakistan.

The key purpose of the conference is to make the lessons learned through this case study helpful for other governments and development institutions in particular those involved in financing RETs investments in the developing world. The case study of Pakistan, along with other empirical evidences, will serve the purpose to hypothesise the deficiencies in developing markets that are limiting the growth of private investments, and how they can be overcome to

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pave the way for eliminating investment gaps in wind energy and other sources of renewable energies. The participants will deliberate the possibilities of devising policy tools that can complement the work of the Green Climate Fund and how the existing mechanisms of the organisations, such as the World Bank, can be made more effective. This activity intends to complement the work of these institutions through identifying the priority areas to be promoted. It further intends to assist the organisations that are working for the promotion of sustainable energies and development in various communities and urban settlements.

## Goals

The WWEA intends to bring together decision makers from the public and private sectors:

- To disseminate the findings of the study conducted in Pakistan so that it might be helpful for other developing countries' policymakers to learn lessons.
- To complement the work of multilateral institutions, such as the Green Climate Fund, the World Bank, the Asian Development Bank through identifying the priority areas that should be taken care of while working for the promotion of the RETs in the developing world.
- To offer solution-oriented policy advocacy for RETs.
- To identify ways of overcoming sovereign risk for investors in RE developments in Developing countries such as Pakistan.
- To consider the value in achieving acceptance of RE developments through the use of Sustainable Development Protocols (such as the IHA has adopted ) for the various RE technologies .

## Supporters:

Alternative Energy Development Board of Pakistan  
AVT Channels (Pvt) Ltd  
Foundation for International Dialogue of the Savings Bank in Bonn  
Heinrich Böll Foundation  
ICLEI  
International Hydropower Association  
International Geothermal Association  
International Solar Energy Society  
REN21  
REN Alliance  
Sapphire Wind Power Ltd. Pakistan  
World Future Council

For further details, comments or feedback, please contact:

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