

**International Conference RIO 12 - Nica**  
**Latin America Renewable Energy Fair - LAREF**  
**Granada, Nicaragua, 17-19 January 2012**

**Location:**

Casa de los Tres Mundus, Granada, Nicaragua

**Support:**

Government of Nicaragua, Ministry of Mines & Energy, Ministry of Industry & Commerce, Ministry of National Politics, Empresa de Energía, Chamber of Commerce, High Council of Private Enterprises, GIS (Society of International Collaboration)

## **Program**

17 of January 2012

- 09.00 Registration
- 10.00 Introduction to the Event by moderator
- 10.10 Welcome Note by the Government of Nicaragua
- 10.30 Sustainable Energy Supply: The challenge of the century  
Prof. Stefan Krauter, University of Paderborn
- 11.00 100% Renewables by 2017 - How to change Nicaragua's Energy Matrix  
Ministry of Mines & Energy, Nicaragua
- 11.20 Good Practices to implement sustainable energy generation & productive energy use,  
Prof. Telemaco Talavera, University of Agriculture
- 11.40 Renewable Energies as a job creator  
Ministry of Industry & Commerce
- 12.00 Legislative Framework to accelerate Investment in Renewable Energies
- 12.30 Lunch
- 14.00 Wind Power generation: Prerequisites, Planning, Operation & Monitoring  
Dipl.-Phys. Jörg Bendfeld, University of Paderborn, Germany
- 14.30 Efficient Geothermal Energy Use

- Prof. Uwe Tröger, University of Technology Berlin.
- 15.00 Solar Photovoltaic Energy Generation: Potential, State, Perspectives  
Prof. Stefan Krauter, University of Paderborn, Germany
- 15.30 Coffee Break
- 16.00 Electrical Grid Modifications for the extended use of Renewable Energies  
Prof. Stadler, University of Applied Sciences, Cologne, Germany
- 16.30 Experiences in Nicaragua with Renewable Energies  
Representative of Blue Energy Inc.
- 17.00 Large scale energy storage: State of the Art  
Busso von Bismack, Yunicos SE, Berlin, Germany

18 January 2012

- 8.30 **Sustainable Energy Generation, part 1:**  
**Solar & Wind power**  
Contributions of energy generation via Solar & Wind,.  
According to the results of “Call for Papers” to be published in November 2011
- 10.00 Coffeebreak
- 10.30 **Sustainable Energy Generation, part 2:**  
Biomass, Geothermal, hydo & wave power  
Contributions of biomass, geothermal, hydo & wave power  
According to the results of “Call for Papers” to be published in November 2011
- 12.00 Lunch
- 13.30 **Financing**  
Micro Financing, Philipp, University of Technology Berlin  
Further contributions according to the “Call for Papers” and invited Papers  
Financing institutions, Cooperatives, NGOs
- 15.10 Coffee Break

### **15.30 Habitat**

Energy Saving in Buildings: Cooling

Marco Schmid, University of Technology Berlin

Further contributions according to the “Call for Papers” and invited Papers

Financing institutions, Cooperatives, NGOs

19 January 2012

## **Excursions & Workshops**

### **Visit of project sites**

Wind Power: La Virgem, Rivas  
(40 MW wind park by Suzlon/Blue Energy)

Geothermal Power: Volcano M  
(Potential project site)

Solar Energy: Victoria  
(Solar power for beer cooling)

Wave power: San Juan del Sur  
(Practical wave use for sports)

## **Industrial Trade Fair - LAREF**

The Event is accompanied by an Exhibition for Renewable Energies  
(small booths (2-4 m<sup>2</sup>) are located inside the casa dos tres Mundos,  
larger booths (> 4 m<sup>2</sup>) on the Marketplace in front of Casa dos tres Mundos