

Tuesday, November 12, 2019 | Current Status of the Renewable Energy Sector

- 7:15 Attendee registration
🕒 7:15 - 8:00
📍 Floor 2
- 8:30 Sun World 2019 Opening Plenary Session
🗣️ Welcome Speech:
Minister of Energy and Mines of Peru
ISA Director General
OLADE Executive Secretary
🕒 8:30 - 9:30
📍 Floor 8 - Naciones 3 Room
- 9:30 Inauguration of the Sun World 2019 Exhibition
🕒 9:30 - 10:00
📍 Floor 1
- 10:00 Coffee break
🕒 10:00 - 10:30
- 10:30 Keynote Speech of the Day: Current status of the renewable energy sectors
🗣️ **Sr. Johannes Uhl**, Project Director of Foreign Energy Policy at German Society for International Cooperation (GIZ)
🕒 10:30 - 10:50
📍 Floor 4 - Huallamarca Room
- Germany's Energy Transition Road Show
🕒 10:30 - 18:30
📍 Floor 4
- Business Roundtable
🕒 10:30 - 18:30
📍 Floor 1 - Lima Room
- Bilateral Meetings: B2B, G2B, G2G
🕒 10:30 - 18:30

📍 Floor 7 - Rooms

Individual presentation: Progress and Challenges of Lithium in Latin America

🗣️ **Emily Hersh**, Managing Partner at DCDB Group

🕒 10:30 - 10:50

📍 Floor 4 - Cajamarquilla Room

11:00 Individual presentation and Panel: Launch of the "Future of Solar PV markets" by IRENA

🗣️ **Dr. Roland Roesch and Ms. Elisa Asmelash**, IRENA

🕒 11:00 - 12:00

📍 Floor 4 - Huallamarca Room

Individual presentation: Materials Science and the Application of Solar Power

🗣️ **Dr. Mónica Gómez**, Materials Science Researcher, National University of Engineering (UNI), Peru

🕒 11:00 - 11:20

📍 Floor 4 - Cajamarquilla Room

11:30 Individual presentation: Advantages and applications of Solar thermal energy

🗣️ **José Estela**, General Manager for Samienergy

🕒 11:30 - 11:50

📍 Floor 4 - Cajamarquilla Room

12:00 Panel: Global Leadership Task Force of Corporates on Innovation in Latin America and the Caribbean - ISA

🗣️ Introductory Address: **Mr. Manoj Kholi**, Executive Chairman. Softbank Energy

Special Address: **H.E. Mr. Upendra Tripathy**, Director General ISA

Keynote Address: **H.E. Ms. Brune Poirson**, Minister of State for Ecological and Inclusive Transition, France (TBC)

Chair: **Honorable Mr. R.K. Singh**, Ministry of Renewable Energy and Minister of State in the Government of India

Co-Chair: **H.E. Ms. Brune Poirson**, Minister of State for Ecological and Inclusive Transition, France (TBC)

Moderator: **Mr. Manoj Kholi**, Executive Chairman. Softbank Energy

Chief Rapporteur: **Dr. Ashutosh Bagchi**, Professor and Chair

of the Department of Building, Civil and Environmental Engineering, Concordia University Montreal

Panelists:

Mr. Toby Peters, Professor in Cold Economy, University of Birmingham, United Kingdom

Mr. Guilherme Souza, Senior Regional Manager, Business Development - Brazil & Southern LATAM. First Solar

Dr. Anbumozhi Venkatachalam, Senior Economist and Economic Research Institute for ASEAN and East Asia and Indonesia

Mr. Jay Sharma, Country Managing Director for the Americas, Vikram Solar

Ms. Rita Roy Choudhury, Assistant Secretary General, Federation of Indian Chambers of Commerce and Industry (FICCI)

🕒 12:00 - 13:30

📍 Floor 4 - Huallamarca Room

Individual presentation: Social impact and economic benefits of district geothermal energy: Iceland as a model for other countries

🗣️ **Lovisa Árnadóttir** (PR and Communications Manager for Samorka, Iceland Energy and Utilities)

🕒 12:00 - 12:20

📍 Floor 4 - Cajamarquilla Room

12:30 Panel discussion: Tackling Renewable Energy Integration and the Regional Interconnection in South America: Infrastructure, benefits and objectives

🗣️ Moderator: Representative of MINEM

Panelists:

Ariel Yépez, Chief of the Energy Division at the Inter-American Development Bank (IDB)

Aniella Descalzi, General Manager Atlántico Energía - Brazil

José Torón, Program Regional Manager, IRENA

Roberto Santivañez, Lawyer, Regulation and Trade Transaction Specialist in the electricity sector- Senior Associate at Santivañez Abogados

🕒 12:30 - 13:30

📍 Floor 4 - Cajamarquilla Room

13:30 Free time lunch

- 13:30 - 15:00
- 15:00 **Panel: *Solar water pumping systems in agricultural use and other applications***
- Speaker:** **Mr. Rajneesh Rana**, General Manager, EESL, India
 - Moderator:** **Mr. Carlos Añasco**, Commercial Manager, Business Unit, Latin America Region, GRUNDFOS
 - Chief Rapporteur:** **Mr. Pedro Ballesteros**, Principal Administrator, Directorate-General for Transport and Energy, European Commission in Brussels
 - Panelists:**
 - Ms. Immaculada Miracle**, International Project Manager for Europe, South America and Central America, Institut National de l'Energie Solaire (INES), France.
 - Mr. Pranav Mehta**, Chairman at Global Solar Council (GSC) and Chairman at the National Solar Energy Federation of India (NSEFI)
 - Mr. Ramesh Patidar**, Executive Director at Shakti Pumps.
 - Mr. Srikant Sharma**, Assistant Manager, Indian Energy Exchange (IEX)
- 15:00 - 16:30
- Floor 4 - Huallamarca Room
- Individual presentation: *Self-Sustainable Solar Solution with a Socio-Cultural and Entertainment Impact: Cinesolar***
- Speaker:** **Cynthia Alario** - Director of Brazuca Cultural Productions
- 15:00 - 15:20
- Floor 4 - Cajamarquilla Room
- 15:30 **Panel discussion: *Transition towards a Cleaner Energy Matrix: Policies, Regulations and Technology***
- Moderator:** **Leonidas Sayas**, Electricity Oversight Manager at the Supervisory Agency of Investment of Energy and Mining of Peru (Osinermin)
 - Panelists:**
 - Juan Paredes**, Senior Renewable Energy Specialist at IDB
 - Roberto G. Aiello**, Principal Regional Energy Specialist- Investment and Policies in Chile, Paraguay, and Uruguay, Inter-American Development Bank (IDB)
 - Diego Pérez**, Renewable Energy Consultant at Trama

- TecnoAmbiental and the German Society for International Cooperation - GIZ
- Rodrigo Palma**, Director del Solar Energy Research Center, Universidad de Chile
- Massimiliano Calamea**, Sustainability Manager at Enel
- 15:30 - 16:30
- Floor 4 - Cajamarquilla Room
- 16:30 Coffee Break
- 16:30 - 17:00
- 17:00 **Individual presentation: *Comfortable Sustainable Energy-efficient Buildings: Methods, Tools, Materials and Behaviors***
- Speaker:** **Gilles Lefebvre**- Prof. Université Paris-Est Créteil – Créteil – France
- 17:00 - 17:20
- Floor 4 - Cajamarquilla Room
- Panel: *Electric Mobility***
- Moderator:** **Philippe Malbranche**, Director General at Institut National de l'Energie Solaire (INES), France
 - Chief Rapporteur:** **Dr. Roland Roesch**, Deputy Director of the Innovation and Technology Center at IRENA, Germany
 - Panelists:**
 - Mr. Johannes Uhl**, Project Director of Foreign Energy Policy at German Society for International Cooperation - GIZ
 - Mr. Siddharthan Balasubramania**, Senior Advisor- Strategy at ClimateWorks Foundation, USA
 - Ms. Paula Santos**, Technical Director, Spanish PV Unión (UNEF), Spain
 - Ms. Immaculada Miracle**, International Project Manager for Europe, South America and Central America, Institut National de l'Energie Solaire (INES), France
- 17:00 - 18:00
- Floor 4 - Huallamarca Room
- 17:30 **Panel: *Challenges of the Regulatory Framework in the Dynamic Market of Renewable Energy***
- Moderator:** **David Arias**, Director of Studies and Promotion of Electricity - MINEM
 - Panelists:**

- Luis Flores**, Head of Regulatory Affairs- Enel
- Santiago Bautista**, Sales Manager for the Pacific Region, Siemens
- Paul Sumar**, Partner at Santiviáñez Abogados, and Specialized in Energy Transmission and Renewable Energy
- Jaime Mendoza Gacón**, Tariff Regulation Manager at the Supervisory Agency of Investment of Energy and Mining of Peru (Osinermin)
- Vicky Dawe**, Deputy Director at the United Kingdom Department for Business, Energy and Industrial Strategy
- 17:30 - 18:30
- Floor 4 - Cajamarquilla Room
- 18:10 **Panel: *Energy Markets and Solar Installations in Latin America and the Caribbean, and Spain***
- Chairperson:** **Javier Muro**
 - Panelists:**
 - Paula Santos**, Technical Director, Association of the Solar Photovoltaic Energy Sector in Spain (UNEF),
 - Pedro Gamio** Former Deputy Minister of Energy of Peru and Energy Consultant
 - Alexander Larios**, Renewable Energy Sales Director at Solartia, Spain
 - Alejandra Cáu Cattán**, Director, Jujuy Renewable Energy and Energy Efficiency
- 18:10 - 19:00
- Floor 4 - Huallamarca Room
- 18:30 **Individual presentation: *Renewable Energy Interconnection and Storage - Technical Aspects***
- Speaker:** **Fernando De Sisternes**, Energy Specialist - Energy Sector Management Assistance Program (ESMAP), World Bank
- 18:30 - 18:50
- Floor 4 - Cajamarquilla Room
- Wednesday, November 13, 2019 | Overcoming Barriers to Renewable Energy Deployment**
- 7:15 Attendee registration
- 7:15 - 8:30

- 📍 Floor 2
- 8:30 🗓️ **Keynote speech: *Political outlook of the Peruvian State on its Transition towards Renewable Energy***
🗣️ **Minister of Energy and Mines of Peru**
🕒 8:30 - 8:50
📍 Floor 8 - Naciones Room
- 9:00 **Keynote Speech of the Day: *Overcoming Barriers to Renewable Energy Deployment***
🗣️ **Marianne Fay**, Director of the World Bank for Bolivia, Chile, Ecuador and Peru, Latin America and the Caribbean
🕒 9:00 - 9:20
📍 Floor 4 - Huallamarca Room
- Panel discussion: *Opportunities and Challenges of Renewable Energy Sources Towards Climate Change Mitigation and Sustainable Development Promotion***
🗣️ **Moderator:** Representative of MINAM
Panelists:
Ximena Herbas, Senior Environmental Specialist, World Bank
Maria Cristina Papetti, Head of Innovation & Sustainability at Enel Global (Italy)
Daniel Schmerler, President of the Supervisory Agency of Investment of Energy and Mining of Peru (Osinergrmin)
Francisco Dall'Orso, Climate Change Department at the Ministry of Energy of the Republic of Chile
🕒 9:00 - 10:00
📍 Floor 4 - Cajamarquilla Room
- 9:30 **Individual presentation: *Challenges to improve the Competitiveness of Renewables in Peru***
🗣️ **Patricia Elliot**, Deputy Minister of Electricity - MINEM
🕒 9:30 - 9:50
📍 Floor 4 - Huallamarca Room
- Exhibition
🕒 9:30 - 18:30
📍 Floor 1

- Germany's Energy Transition Road Show
🕒 9:30 - 18:30
📍 Floor 4
- Business Roundtable
🕒 9:30 - 18:30
📍 Floor 1 - Lima 1 Room
- Bilateral Meetings: B2B, G2B, G2G
🕒 9:30 - 18:30
📍 Floor 7 - Rooms
- 10:00 **Panel: *Inspiring Local and Regional Stories on Implementation of Renewable Energy for a Sustainable Development***
🗣️ **Moderator:** Javier Muro
Panelists:
Hernan Astos, CEO of ALINTI
Anthony Villegas, CEO of Perusol
Juan Sergio Castro, Solar Panels in Laguna de Chullpía
Mario Allison, Gerente Kallpa Global
Michelle Hallack, Energy Specialist at IDB
🕒 10:00 - 11:00
📍 Floor 4 - Huallamarca Room
- Individual presentation: *Emerging Solar Photovoltaic Technologies: PERC and HJT Cells, Bifacial Solar Modules and Tandem Solar Cells***
🗣️ **Mr. Jan Amaru Töfflinger**, Pontifical Catholic University of Peru - (PUCP)
🕒 10:00 - 10:20
📍 Floor 4 - Cajamarquilla Room
- 10:30 **Presentation: *The Road Ahead: Meeting the E-mobility Challenge***
🗣️ **Dr. Chan Sohn**, Senior Researcher in Advanced Energy Solutions, KEPCO, South Korea
🕒 10:30 - 10:50
📍 Floor 4 - Cajamarquilla Room
- 11:00 Coffee Break

- 🕒 11:00 - 11:30
- 11:30 **Individual presentation: *Methodology for measuring the economic impact of renewable energy on the national electric interconnected system***
🗣️ **Klas Heising**, Director of Sustainable Projects at GIZ
🕒 11:30 - 11:50
📍 Floor 4 - Huallamarca Room
- Individual presentation: *Study of future costs of renewable technologies and storage in Latin America***
🗣️ **Juan Paredes**, Senior Renewable Energy Specialist at IDB
Representative of Wood Mackenzie
🕒 11:30 - 11:50
📍 Floor 4 - Cajamarquilla Room
- 12:00 **Panel: *Sustainable Electrification with Micro-Grids in Remote Rural Communities***
🗣️ **Moderator:** David Arias, Director of Studies and Promotion of Electricity - MINEM
Panelists:
Luis Torres, Energy Consultant at AEP
Alejandra Cáu Cattán, Director, Jujuy Renewable Energy and Energy Efficiency,
Miguel Reátegui, Former President of the Peruvian Association of Solar Energy (APES)
Ana Moreno, Director of EnDev Perú, GIZ
Rodrigo Palma, Director of the Solar Energy Research Center - University of Chile
🕒 12:00 - 12:50
📍 Floor 4 - Huallamarca Room
- Panel: *Successful Models of Renewable Energy Integration in Latin America and the World***
🗣️ **Panelists:**
Andrés Muñoz, Professor at Universitat Politècnica de Catalunya and CEO at Infoenergética
Marta Alonso, Director of the Chilean Renewable Energy Association
Brendan Oviedo, President of the Peruvian Association of Solar Energy (APES)
Jamilette Guerrero, CEO and Country Manager of

InterEnergy Group Panama - Laudato Si' Wind Farm
Enith Carrión, National Coordinator for Non Conventional Renewable Energy Projects at CELEC EP - Ecuador

🕒 12:00 - 13:00

📍 Floor 4 - Cajamarquilla Room

13:10 Presentation: Sun-grown Initiatives

The sunlight and the opportunity for a better life in the Highlands of Peru

Spinning with the Sun: Testimony by Women from Sibayo

🕒 13:10 - 13:20

The Chullpía Lagoon in the South of Peru, Juan Sergio Castro

🕒 13:20 - 13:30

📍 Piso 4 - Sala Huallamarca

Individual presentation: **Technological innovation impacting the industry MEGA & SMART CITIES – CHALLENGES & OPPORTUNITIES**

🗣️ **José Aparicio**, Executive Vicepresident Siemens Gas and Power Mexico, Central America and The Caribbean, as well as Power Generation Latinamerica.

🕒 13:10 - 13:30

📍 Floor 4 - Cajamarquilla Room

13:30 Free time lunch

🕒 13:30 - 15:00

15:00 Panel: **Buildings of the Future: Net Zero Energy**

🗣️ Panelists:

Gilles Lefebvre- Prof. Université Paris-Est Créteil – Créteil – France

Alexey Kabalinskiy, Researcher for APERC and key liaison with the Ministry of Energy of the Russian Federation

Guillermo Sanchez Zambrano, Manager of Real Estate and Social Projects, Fondo Mi Vivienda Verde

K. Srinivas Reddy, Professor, Heat Transfer and Thermal Power Laboratory, IIT Madras (India) (TBC)

🕒 15:00 - 15:50

📍 Floor 4 - Huallamarca Room

Panel: **Renewable Energy and E-mobility: Hand in hand**

towards the Future

🗣️ Moderator: Representative of MINEM

Panelists:

Andrés Daboin, Business Development Manager at Siemens

Jean Paul Zalaquett, Director of e-Mobility at ENEL Chile

Manuel Suárez, Associate at Santiváñez Abogados, specialized in transport, communication, energy and sanitation.

🕒 15:00 - 15:50

📍 Floor 4 - Cajamarquilla Room

16:00 Individual presentation: **Floating solar power installations:**

The largest floating solar plant in Europe

🗣️ **Martín Bocage**, Business Development Manager - South America at AKUO Energy

🕒 16:00 - 16:20

📍 Floor 4 - Huallamarca Room

Presentation: **Promotion of Renewable Energy in Peru through Nationally Appropriate Mitigation Actions (NAMAs)**

🗣️ **Daniella Rough** (NAMA Project Coordinator – MINEM)

🕒 16:00 - 16:20

📍 Floor 4 - Cajamarquilla Room

16:30 Coffee Break

🕒 16:30 - 17:00

17:00 Individual presentation: **Highlights on distributed PV from**

the IEA 2019 renewable market report

The impact of the distributed generation of renewable energy on the stability of power systems

🗣️ **Mr. Paul Simons**, Deputy Executive Director of the International Energy Agency (IEA)

🕒 17:00 - 17:20

📍 Floor 4 - Huallamarca Room

Panel: **Water as an energy source and its integration with other renewable sources**

🗣️ Panelists:

Juan Paredes, Senior Renewable Energy Specialist at IDB

Representative of MINEM,

Miguel Combe, President of the Peruvian Electrotechnical Association

🕒 17:00 - 17:50

📍 Floor 4 - Cajamarquilla Room

17:30 Panel: **The participation of women in the renewable energy sector**

🗣️ Moderator: **Laura Wendell Berman**, Energy Specialist for Latin America and the Caribbean - World Bank

Panelists:

Carolina Sanchez, Head Transmission Solution Siemens, Colombia & Peru

Gabriela Olimpio, Grid Connection Manager in Lightsource BP- Brazil

Lovisa Árnadóttir PR and Communications Manager for Samorka, Iceland Energy and Utilities

Virginia Snyder Renewable Energy and E-Mobility Specialist -Inter-American Development Bank- IDB

Aniella Descalzi Renewable Energy Consultant in Atlantico Energia - Brazil)

Vicky Dawe, Deputy Director at the United Kingdom Department for Business, Energy and Industrial Strategy

🕒 17:30 - 18:30

📍 Floor 4 - Huallamarca Room

18:00 Individual presentation: **Renewable Energy Sources as Crucial Components for Off-Grid Energy Solutions**

🗣️ **Diego Perez**, Renewable Energy Consultant at Trama TecnoAmbiental and the German Society for International Cooperation - GIZ

🕒 18:00 - 18:20

📍 Floor 4 - Cajamarquilla Room

18:30 Ponencia Individual: **Global trends in renewable energy regulatory policies**

🗣️ **Pedro Ballesteros**, Principal Administrator, Directorate-General for Transport and Energy, European Commission in Brussels

🕒 18:30 - 18:50

📍 Floor 4 - Cajamarquilla Room

Ponencia Individual: *Solar Energy Integration and challenges in Roof Top Sector*

👤 **Ashutosh Bagchi**, Professor and Chair of the Department of Building, Civil and Environmental Engineering, Concordia University Montreal

🕒 18:30 - 18:50

📍 Piso 4 - Sala Huallamarca

**Thursday, November 14, 2019 |
Future outlook of renewable energy**

7:15 Attendee registration

🕒 7:15 - 8:30

📍 Floor 2

8:30 Keynote Speech

👤 **Ministry of the Environment of Peru** - to be confirmed

🕒 8:30 - 8:50

📍 Floor 8 - Naciones Room

8:40 Keynote Speech of the Day: *Future Outlook for Renewables*

👤 **Mr. Pranav R Meh**, President of the Global Solar Council (GSC), and President of the National Solar Energy Federation of India (NSEI)

🕒 9:00 - 9:50

📍 Floor 4 - Mateo Salado Room

9:00 Panel: *Revitalizing the Renewable Energy Market in Latin America and the Caribbean through Investment Funds*

👤 **Mariana Butron**, Director of the EnDev Bolivia

Jose Maria Blanco, Director of the BUNCA/ FOCAE

Mr. Javier Ramírez, Executive Director of the National Program of Innovation in fisheries and aquaculture (PNIPA)

🕒 9:00 - 9:50

📍 Floor 4 - Huallamarca Room

Individual presentation: *Outcomes of the Latin America Energy Planning Meeting on Renewable Energy*

👤 **Ph.D. Ruben Contreras Lisperguer**, Economic Commission for Latin America and the Caribbean (ECLAC)

🕒 9:00 - 9:20

📍 Floor 4 - Cajamarquilla Room

9:20 Individual presentation: *Energy Demand and Supply Outlook in the 21 APEC economies by 2050*

👤 **Mr. Diego Rivera**, Researcher at the Asia Pacific Energy Research Centre (APEREC)

🕒 9:20 - 9:50

📍 Floor 4 - Mateo Salado Room

9:30 Individual presentation: *Smart City Vienna*

👤 To be confirmed

🕒 9:30 - 9:50

📍 Floor 4 - Cajamarquilla Room

Exhibition fair

🕒 9:30 - 16:30

📍 Floor 1

Germany's Energy Transition Road Show

🕒 9:30 - 17:00

📍 Floor 4

Business Roundtable

🕒 9:30 - 16:30

📍 Floor 1 - Lima 1 Room

Bilateral Meetings: B2B, G2B, G2G

🕒 9:30 - 16:30

📍 Floor 7 - Rooms

OLADE: *Meeting of Ministers*

🕒 9:30 - 18:30

📍 Floor 4 - Puruchuco Room

10:00 Panel: *Capacity Building For Renewable Energy*

👤 Chairperson: **Mónica Medina**, Energy Specialist and Associate at Santiváñez Abogados

Panelists:

Manfred Horn, Leading Professor, Faculty of Sciences, UNI

Gabriela Olimpio, Grid Connection Manager in Lightsource

BP- Brazil

Rodolfo Zamalloa, Director of Energy and Intelligent Systems

Byron Chilingua, Consultant at OLADE

🕒 10:00 - 10:50

📍 Floor 4 - Huallamarca Room

Individual presentation: *Integrating Hydrogen fuelled Gas Turbines with Intermittent Renewables*

- Hybrid Gas Turbine Solar Thermal Combined Cycle Power Plants for Distributed Power applications

👤 **Michael Welch**, Industry marketing Manager, Siemens United Kingdom

🕒 10:00 - 10:30

📍 Piso 4 - Sala Mateo Salado

Panel discussion: *Inspirational young leaders in the renewable energy sector*

👤 Moderator:

Panelists:

Urphy Vásquez, Research Coordinator at the Institute of Natural Sciences, Land and Renewable Energy of Peru (INTE-PUCP)

Guillermo Diez, Sales & Business Development - Siemens

Aniella Descalzi, General Manager - Atlántico Energía

🕒 10:00 - 10:50

📍 Floor 4 - Cajamarquilla Room

10:30 Individual presentation: *Recent trends in large-scale wind and solar projects*

👤 **Ms. Jamilette Guerrero**, CEO/Country Manager at InterEnergy Group in Panama

🕒 10:30 - 10:50

📍 Floor 4 - Mateo Salado Room

11:00 Coffee break

🕒 11:00 - 11:30

11:30 Panel: *Energy Storage*

👤 Moderator: **Mr. Philippe Malbranche**, Director of Institut National de l'Energie Solaire (INES), France

Chief Rapporteur: **Mr. Rajesh K. Mediratta**, Director

(Strategy) of Indian Energy Exchange Ltd. New Delhi

Panelists:

- Dr. Frank Dinter**, Executive Director, Fraunhofer Chile Research Center for Solar Energy Technologies (CSET)
- Mr. Toby Peters**, Professor in Cold Economy, University of Birmingham, United Kingdom
- Mr. Franco Bulnes Chirinos**, Country Manager Peru & Bolivia, EATON, Solar Power Europe
- Mr. Martin Bocage**, Business Development in Argentina, Uruguay and Peru for Akvo Energy

🕒 11:30 - 13:00

📍 Floor 4 - Huallamarca Room

Individual presentation: Renewable Energy Data Explorer and Analysis of Renewable Energy Potential in Peru

- 👤 **Ron Benioff**, Laboratory Program Manager for International Programs at the National Renewable Energy Laboratory (NREL)

🕒 11:30 - 11:50

📍 Floor 4 - Cajamarquilla Room

12:00 **Panel: New technologies giving the grid flexibility for the integration of renewables**

👤 **Chairperson:**

José Estela, General Manager for Samienergy

Panelistas:

- Roberto G. Aiello**, Principal Regional Energy Specialist - Investment and Policies in Chile, Paraguay, and Uruguay, Inter-American Development Bank
- Fernando de Sisternes**, Energy Specialist - Energy Sector Management Assistance Program (ESMAP), World Bank
- Andrés Daboin**, Gerente Regional de Desarrollo de Negocios, SIEMENS
- Artur Mujamed**, Business Development Manager, Wärtsilä Energy Solutions, LAS Region
- Roland Roesch**, Deputy Director of the Innovation and Technology Center at IRENA, Germany

🕒 12:00 - 13:00

📍 Floor 4 - Mateo Salado Room

Panel: Cities of the world that harness renewable energy sources

- 👤 **MINAM Representative**

- Alexey Kabalinskiy**, Researcher for APERC and key liaison with the Ministry of Energy of the Russian Federation
- Daniel Cámac**, Deputy Country Manager for Engie Perú
- Renata Saettone**, Business Development Manager for Statkraft Peru

🕒 12:00 - 13:00

📍 Floor 4 - Cajamarquilla Room

13:10 **Individual presentation: The renewable energy pathway towards the COP26**

- 👤 **Vicky Dawe**, Deputy Director at the United Kingdom Department for Business, Energy and Industrial Strategy

🕒 13:10 - 13:30

📍 Floor 4 - Mateo Salado Room

Individual presentation: PPT on "ISA-wide Renewable Energy Certificate Mechanism"

- 👤 **Rajesh K Mediratta**, Director (Strategy) of Indian Energy Exchange Ltd. New Delhi

🕒 13:10 - 13:30

📍 Floor 4 - Cajamarquilla Room

Individual presentation: Innovative Heating and Cooling Technologies with special emphasis on Solar Heating in Industrial Process (SHIP)

- 👤 **K. Srinivas Reddy**, Professor, Heat Transfer and Thermal Power Laboratory, IIT Madras (India)

🕒 13:10 - 13:30

📍 Floor 4 - Huallamarca Room

13:30 **Free time lunch**

🕒 13:30 - 15:00

15:00 **Individual presentation: Renewable Energy and Energy Efficiency: Twin Pillars of Sustainable Energy Policy**

- 👤 **Javier Campos** (Director of Energy Efficiency -MINEM)

🕒 15:00 - 15:20

📍 Floor 4 - Mateo Salado Room

Roundtable: Mobilizing US \$1 Trillion investment in solar energy

👤 **Welcome remarks and setting the context: H.E. Mr.**

Upendra Tripathy, Director General ISA

Special address: Mr. S. Vijay Iyer, Vice President and Chief Operating Officer, Multilateral Investment Guarantee Agency (MIGA), World Bank Group, Washington D.C.

Keynote Address: H.E. Mr. Anand Kumar, secretary, Ministry of New and Renewable Energy, India (TBC)

Chairman: H.E. Mr. Anand Kumar, secretary, Ministry of New and Renewable Energy, India (TBC)

Chief Rapporteur: Dr. K. Srinivas Reddy, Professor, Heat Transfer and Thermal Power Laboratory, IIT Madras (India)

Moderator: Prof. Zervos Arthouros, Chair REN 21 and Professor, National Technical University of Athens, Athens, Greece

Panelists:

Mr. Pranav Mehta, Chairman, Global Solar Council and Founder Chairman; and Chairman at National Solar Energy Federation of India (NSEFI)

Mr. Arnd Beck, Head of Office for Latin America, European Investment Bank and Regional Representation for Latin America

Dr. Anbumozhi Venkatachalam, Senior Economist at the Economic Research Institute for ASEAN and East Asia (ERIA), Indonesia

Mr. S. Vijay Iyer, Vice President and Chief Operating Officer, Multilateral Investment Guarantee Agency (MIGA), World Bank Group, Washington D.C.

Mrs. Immaculada Miracle, International Project Manager, Europe, Central and South America at Institut National de l'Énergie Solaire

Mr. T.D. Sivakumar, General Manager, Corporate Banking Group, Export-Import Bank of India

Mr. Saroj Khuntia, General Manager Lines of Credit Group, Exim Bank

Ms. Magdalena Bunikowska, Financial Expert, KPMG, Peru

Ms. Stephanie Gil, Practice Manager for Latin America and the Caribbean in the Energy and Extractives Global Practice at the World Bank

Astrid Jerrouse, Head for Energy Projects in the Andean Region at Proparco – a subsidiary of the Agence Française de Développement (AFD)

🕒 15:00 - 16:30

📍 Floor 4 - Huallamarca Room

15:30 Individual presentation: *Reversible Hydroelectric Power Plants and their role in the transition to clean energy*

👤 **Karl-Heinz Nagel**, Professor in Geotechnics at the Technical University of Berlin, Founder of SwissHydro and Head of the Technical Department of Latin Swiss Hydro

🕒 15:30 - 15:50

📍 Floor 4 - Cajamarquilla Room

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16:00 Individual presentation: *Solar Water Pumping rewards and risks*

👤 **Ms. Katia Lovon**, Specialist in Comprehensive and Smart Solar Powered Water Pumping Solutions - Lorentz, Germany

🕒 16:00 - 16:20

📍 Floor 4 - Cajamarquilla Room



16:30 Coffee Break

🕒 16:30 - 17:00

17:00 Sun World 2019 Closing Panel Session

Sun World 2019 Summary and Conclusions

👤 **Francesco Le Camera**, IRENA Director-General
Hon. Minister Raj Kumar Singh, Minister of New and Renewable Energy of India (TBC)
Dr. Paul Simons, Deputy Executive Director, International Energy Agency - IEA
Dr. Fabiola Muñoz, Minister of Environment
Juan Carlos Liu Yonsen, Engineer, Minister of Energy and Mines of Perú

🕒 17:00 - 17:50

📍 Floor 8 - Naciones Room

18:00 Sun World 2019 Closing Plenary Session

👤 **President of the Republic of Peru**

🕒 18:00 - 18:30

📍 Floor 8 - Naciones Room