



INTERNATIONAL SOLAR ALLIANCE FORUM

AT THE WORLD FUTURE ENERGY SUMMIT (WFES) 2019

14 – 17 January 2019, ADNEC, Abu Dhabi

DRAFT AGENDA

DAY 1 1400 – 1730, MONDAY, JANUARY 14, 2019 VENUE: DIALOGUE Hall	
1400 – 1500	ISA Ministerial Plenary
Welcome & Setting the Context	H.E. Mr Upendra Tripathy Director General, International Solar Alliance
Special Addresses	H.E. Mr Adnan Z. Amin* Director General, IRENA
	Mr. Anand Kumar * Secretary, MNRE
Keynote Addresses	H.E. Dr Thani bin Ahmed Al Zeyoudi* Minister of Climate Change and Environment, Government of UAE
	H.E. Mr Pu Zoramthanga* Hon'ble Chief Minister, Mizoram
Addresses by Hon'ble Ministers on Solar Road Maps in their countries.	H.E. Mr. Francisco Ismodes Mazzano* Minister of Energy and Mining, Republic of Peru
	H.E. Suhail bin Mohammed Al Mazrouei* Minister of Energy and Industry, Government of United Arab Emirates
	H.E. Mr. Khider Mohamed Gasmeseed* Minister, Water Resources, Irrigation and Electricity, Sudan
	H.E. Mr. Jorum MacDonald Gumbo Minister, Ministry of Energy and Power Development, Zimbabwe
	H.E. David Patterson* Minister of Public Infrastructure, Guyana
	H.E. Mr. Eric Wiebes* Minister of Economic Affairs and Climate Policy, The Netherlands
	H.E. Osman Libah Ibrahim, Acting Minister of Energy and Water Resources, Somalia
	H.E. Mr. Suleiman Hassan Zarma, Hon. Minister of Environment, Nigeria
Inaugural Addresses	H.E. Mr. Francois de Rugy* Hon'ble Minister for the Ecological and Inclusive Transition, Government of France
	H.E. Raj Kumar Singh* Minister for Power & New and Renewable Energy, Government of India
	*Confirmation awaited.
1500 – 1520	Networking Tea Break
1520 – 1620	Discussion: ISA Ministers' Straight Talk with ISA Partners + CEOs

Interaction of 30 ISA Partners and solar chief executives with ISA Ministerial Delegation (Closed door, by invitation).

In view of the vital role that investment mobilization plays in accelerating the energy transformation, the global nature of financial markets, and the need to facilitate the flow of significant capital to ISA member countries, this Ministerial Straight Talk with ISA Partners and Bankers and Solar Chief Executives will address Finance, Policy - fiscal incentives, fiscal incentives, regulatory aspects etc. It brings together policy makers, leading experts from public and private finance institutions and industry to discuss how to make use of the opportunities that the rapidly evolving renewable energy sector has in store.

CHAIRMAN:

H.E. Mr. Raj Kumar Singh*, Minister for Power & New and Renewable Energy, Government of India - Opening Remarks

CO-CHAIRMAN:

H.E. Mr. Mohamed Jameel Al Ramahi*, Chief Executive Officer, Masdar, Abu Dhabi - Opening Remarks

MODERATORS:

Mr. David S. Renne, President, International Solar Energy Society (ISES), USA

In Discussion:

- Hon'ble Ministers participating from ISA Member countries
- Representatives of ISA Partners
- Bankers and solar chief executives

1620 - 1630 | **Session Changeover**

1630 - 1730 | **PANEL DISCUSSION: Way forward for demand aggregation for Food Security through installation of Solar Water Pumping Systems (SWPS) in Agricultural Use**

Points for Discussion:

Impact of Solar Water Pumping System (SWPS) in India and possibility of replication of successful model of solar water pumping system depending on social economic Condition in ISA Member Countries.

1. Solar Water Pumping & efficient use of water.
2. Capacity building & sustainability of SWPS projects.
3. Role of DISCOM in installation of Solar Pumps.
4. Role of Financial Institutions in Solar Water Pump Programme.
5. Employment generation through SWPS.
6. Aggregation of demand and its implication on cost reduction.

CHAIRMAN:TBD

MODERATOR:

Mr. Kim Jensen, Regional Managing Director, Asia Pacific Region, Grundfos, Denmark

PANELISTS:

Mr. Harry Boyd Carpenter, Director, Head of Power & Energy Utilities, EBRD

Mr. Bruce Douglas, Dy. CEO & COO, Solar Power Europe, Belgium

Mr. Jose Donoso, CEO of Union Espanola Fotovoltaica and Co-Chairman Global Solar Council from Spain Solar Association

Mr Shilp Verma, Consulting Researcher, International Water Management Institute (IWMI)

Mr. Dinesh Patidar, Chairman, Shakti Pumps, Madhya Pradesh

Dr. O. S. Sastry, Former Director General, NISE* (Seeking Adm. Approvals)

Ms Rasha Omar, Country Programme Manager, International Fund for Agricultural Development (IFAD)*

Mr. M. Kamlakar Babu, CMD, New and Renewable Energy Development Corporation of Andhra Pradesh (NREDCAP), India*

Mr. Mohammad Alauddin, Joint Secretary, Power, Govt. of Bangladesh and National Focal Point for ISA*

Mr. Umesh Balani, Managing Director, Rotomaq Motors & Controls Pvt. Ltd., Gujarat*

Mr. Chandrasekar Govindarajalu, Lead Energy Specialist, World Bank*

Mr. Jiwan Acharya, Sr. Energy Specialist, Asian Development Bank*

1000 - 1130

Technical Session A: Capacity-building, R&D and Technology transfer to ISA Member Countries

In March 2018, ISA launched the STAR-C (Solar Technology Application Resource-Centre) programme. It aims at building a network of technical training and research centres to promote knowledge dissemination and capacity-building with regards to solar energy and infrastructure projects. The specific and common obstacles that still stand in the way of rapid and massive scale-up of solar energy in ISA Member countries can be addressed if the countries act in a coordinated manner, with strong political impulse and resolve, and by better harmonizing and aggregating the demand for solar technologies, innovation and capacity-building.

As it has been observed by many funding institutions and project developers, the lack of skilled technicians and engineers on the ground, is one of the main hurdles to the massive deployment and scale-up of solar energy. Adequate capacity building of local personnel is key for knowledge transfer and increasing the value and bankability of solar projects on the ground.

The STAR-C programme will provide a base for innovative knowledge sharing, and thus create a very powerful network of trained technicians and engineers across the world. This consolidated, pragmatic network, will provide a strong lever to reduce costs, increase quality, and bring reliable and affordable solar energy within the reach of all. Willing to build on the existent, this panel aims at exploring the various capacity-building programmes on solar and renewable energy developed by our Member countries and partners.

The panel will also discuss the importance of R&D on solar energy and the benefits of collaboration among ISA Member Countries for solar innovation, incubation, and start-ups. The session will also identify policy interventions required to support the international effort on solar research and scope of technology transfer amongst ISA Member countries.

CHAIRMAN:

Prof. Ashutosh Sharma*, Secretary, Department of Science & Technology, Govt. of India – Welcome & Setting the Context

MODERATOR:

Mr Philippe Malbranche, Director General, INES, France

PANELISTS:

- **Mr. Glen Pearce-Oroz**, Director of Policy and Programs, Sustainable Energy for All
- **Mr. Gianni Chinetta**, Vice President, Italia Solare, Italy.
- **Ms Victoria Healey**, Project Manager, National Renewable Energy Laboratory, USA.
- **Mr. Pranav R. Mehta**, Chairman, National Solar Energy Federation of India and Chairman, Global Solar Council
- **Mr. Vivek Chaturvedi**, Regional Business Director-Solar India, Middle East and Africa, DSM India Private Limited
- **Mr. Paul Simons**, Deputy Executive Director, International Energy Agency (IEA)*
- **Mr. Roland Roesch**, Deputy Director, IRENA Innovation and Technology Center*
- **Mr Mahama Kappiah**, Executive Director of ECREEE*
- **Dr Ajay Mathur**, Director General, The Energy Research Institute (TERI), India*
- **Mr. Hosni Ghedira**, Director, Research Centre for RE Mapping and Assessment, Masdar Institute, UAE*
- **Dr. A.K. Tripathi**, Director General, National Institute of Solar Energy, India*

1130 – 1200 Hrs

SESSION CHANGE OVER

1200 – 1330 hrs

Technical session B : E-Solar Mobility & Storage At Scale

Cheaper battery storage is considered to be game changer in Up scaling and mainstreaming Renewables for Energy Security, Climate Change and Socio-Economic Development. Adoption rates for renewable energy are expected to be significantly boosted once battery prices tumble. This session looks at the future of battery storage and its impact on the development and expansion of electric mobility, what's needed to make it an attractive option for business and consumer use across the world and when this is likely to happen. ISA will take stock of the discussion of this panel to develop the 5th programme on solar e-mobility and storage that has been launched in 3rd October 2018 by the Member countries.

CHAIRMAN:

H.E. Mr. Shaktikanta Das, a Sherpa to G20 Sherpa from India & Governor of Reserve Bank of India – Opening Remarks*

MODERATOR:

Mr. Mohammed Al Ta'ani, Secretary General, Arab Renewable Energy commission (AREC Arab) and Vice- Chairman of Jordanian Renewable Energy Society (JRES)

PANELISTS:

- **Mr. Harry Boyd Carpenter**, Director, Head of Power & Energy Utilities, EBRD
- **Mr. Takamasa Murakami**, Chief representative India and Middle East, NEDO (Japan)
- **Mr. Rabindra Kumar Satpathy**, Director –Solar BU, Jakson Engineers Limited
- **Dr. Ahmad Badr**, Executive Director, Regional Central for Renewable Energy and Energy Efficiency (RCREEE), Egypt*
- **Ms. Daniela Schmidt**, Innovation and Technology Center, International Renewable Energy Agency (IRENA)*
- **Mr Luigi Lanuzza**, Head of Energy Storage & New Business Models, Enel Green Power, Italy*
- **Mr. Tobias Bischof-Niemz**, Chief Engineer: R&D Core (Energy), Council for Scientific and Industrial Research, South Africa*
- **Mr. Anil Srivastava**, Adviser, NITI AAYog, Govt. of India*
- **Mr. Nicholas Hyland Kitchin**, Chief Executive Officer & Founder, Cumulus Energy Storage Ltd, U.K.*
- **Mr Jean-Baptiste Behaghel**, Director, Blue Solutions, France*
- **Mr. Rahul Walawalkar**, Executive Director, President & MD, India Energy Storage Alliance & CES (India)*
- **Mr. Goldie Srivastava**, Co-Founder and CEO, SmartE*
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***Invited, confirmation awaited.**