**New Energy Vehicles: A potential asset for the energy systems of the future**

An event to give an overview of the deployment of New Energy Vehicles (NEVs) globally and explore how NEVs could become an asset for the fast evolving clean energy systems.

**1st July, 2019; Time: 1300-1800**

**World New Energy Vehicles Congress**

Location: BFA International Convention Center, Hainan, China

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| 1300-1330 [30 mins] | Introduction and event background  
  - Welcome remarks, Chen Linhao, Director of International Cooperation, Ministry of Science and Technology  
  - Clean Energy Ministerial (CEM) overview, Christian Zinglersen, Head of the CEM Secretariat |
| 1330-1445 [75 mins] | **Session 1: Overview of the global NEV deployment**  
  This session would aim to give an overview of the current nature of deployment of NEVs globally. Drawing from global experiences, discussions would help identify successful policy and regulatory elements aiding in rollout of EVs. This session will inform the CEM-Electric Vehicle Initiative.  
  - *Lessons from EV deployment in China*, Zhang Xuming, Vice Secretary General, China Society of Automobile Engineers (CSAE)  
  Panel Discussion 1:  
  - Zhang Xuming, Vice Secretary General, China Society of Automobile Engineers (CSAE)  
  - Nicholas Lutsey, Program Director, International Council on Clean Transportation (ICCT)  
  - Gong Huiming, Director of Transportation Program, Energy Foundation  
  - John Boesel, President & CEO, CALSTART (US)  
  **Moderator:** Laszlo Varro, Chief Economist, IEA (IEA – Coordinator for the CEM-Electric Vehicle Initiative) |
| 1445-1500 | Tea/coffee break |
| 1500-1630 [90 mins] | **Session 2: Integration issues of EVs and their role in long-term energy scenarios**  
  NEVs could become an asset to meet the demands of the fast evolving integrated energy systems of the future and address some of the challenges emerging from the increasing variability in energy supply posed by renewables. Unless planned for with a longer term view, this rapidly growing source of energy demand could also become a burden to the system. The session will aim to identify the critical factors influencing the long-term evolution of NEVs, and uncertainties surrounding them in highly-decarbonised energy systems. This session will inform the CEM’s 21st Century Power Partnership initiative, Power System Flexibility (PSF) campaign and Long Term Energy Scenarios for the Clean Energy Transition Campaign. |
**Panel Discussion 2:**
- Rana Ghoneim, Chief, Energy Systems and Infrastructure, UNIDO
- Ye Wu, Professor, Environment School, Tsinghua University
- Zhao Yongqiang, Deputy Director, ERI NDRC
- Laszlo Varro, Chief Economist, IEA
- Dai Xianzhong, Senior Research Fellow, State Grid Energy Research Institute (SGERI)

**Moderator:** Nicholas Wagner, Program Officer, International Renewable Energy Agency (IRENA - Operating agent for the Long Term Energy Scenarios Campaign)

**Q&A**

### Session 3: Enabling grid infrastructure for meeting the demand of NEVs

Power grid infrastructure sets a key asset to meet the demand of NEVs. The increasing numbers of NEVs need a stronger and smarter power grid infrastructure that many shareholders will participate in. Regional and global energy interconnection proved a powerful and efficient resolution for utilizing clean energy from a long distance in the future: can solar electricity generated from the Sahara Desert in the afternoon charge NEVs in Hainan by midnight? This session would inform the CEM’s **21st Century Power Partnership** and **Regional & Global Energy Interconnection** initiatives.

**1630-1730 [60 mins]**

- Global Energy Interconnection fueling NEVs, Senior Researcher, Global Energy Interconnection Development and Cooperation Organization (GEIDCO)
- Grid Infrastructure as NEV’s Support, Zhang Baoqun, SGCC Beijing Electric Power Research Institute
- Consulting in EV and Grid Infrastructure, Ron Zheng, Roland Berger [Final Confirmation Requested]

**Panel Discussion 3:**
- Camron Gorguinpour, Global Senior Manager of Electric Vehicles, World Resources Institute (WRI)
- Zhang Chuanlin, Professor, Shanghai University of Electric Power (SUEP)
- Zhang Baoqun, Beijing Electric Power Research Institute, State Grid
- Ron Zheng, Roland Bergerr [Final Confirmation Requested]
- Senior Researcher, GEIDCO

**Moderator:** [To be determined *]

**Q&A**

### Closing remarks and summary

**END OF SESSION**