

THE FIRST MI SMART GRIDS INNOVATION WORKSHOP

A SIDE EVENT OF CEM8 & MI-2



MI Smart Grids
1st WS Beijing 2017

6th June, 2017 | Beijing | China

Venue:

Chinese National Convention Center (CNCC)

Organized by:

IEE, Chinese Academy of Science (CN)

RSE, Ricerca Sistema Energetico (IT)

IIT, Indian Institute of Technology Roorkee (IN)



Context

The interest in smart grids is worldwide. Research and development in the field of smart grids is needed to develop technological solutions to address challenges related to the design, integration, operation, management and optimization of the power systems of the future, thus enabling a seamless integration of 100% generation from RES. In this view Business and Investors Engagement (BIE) is important in order to accelerate innovation, commercialization, and deployment in the fields of smart grids and renewable energy sources.

Smart Grids Innovation Challenge (IC) is the first one of seven ICs of Analysis and Joint Research Subgroup in Mission Innovation (MI). The IC#1 on smart grids aims to developing and demonstrating the use of smart grids technologies in a variety of grid applications including demonstrating the robust, efficient, and reliable operation of regional and distribution grids as well as micro grids in diverse geographic conditions. By 2030, the objectives are to develop technological solutions that can accommodate up to 100% renewable based power plants in large scale across the globe and to push forward the implementation of the abovementioned solutions towards reliable clean energy solutions.

The IC#1 on smart grids is co-led by China, India and Italy. Participant countries include Australia, Brazil, Canada, China, Denmark, Finland, France, Germany, India, Indonesia, Italy, Mexico, Norway, Saudi Arabia, South Korea, Sweden, The Netherlands, United Kingdom, United States of America and European Commission.

Goals

MI Smart Grids Innovation Workshop in Beijing, during 4th to 6th June, is a 3.5 days deep-dive workshop of the IC#1 on smart grids. It is the first event to bring together IC#1 international experts for a very focused technical discussion designed to yield deep insights into smart grids main challenges. Moreover, a 1-day public event on 6th June is included as a side event of CEM8 and MI-2 in order to involve key stakeholders for discussing and contributing on smart grids innovation. An official launching ceremony of the IC#1 activity is foreseen as a highlight part of this workshop.

Co-organizers

- Institute of Electrical Engineering, Chinese Academy of Science - IEE CAS (China)
- Ricerca sul Sistema Energetico - RSE (Italy)
- Indian Institute of Technology Roorkee- IITR (India)

Supported by

- Chinese Renewable Energy Society (China)

Participants

- Representatives of Mission Innovation Smart Grids Innovation Challenge
- Representatives of IEA ISGAN
- Smart grids stakeholders, such as policy makers and senior advisors, technical experts, industry representatives and investors are invited to contribute as keynote speakers or panellists in the IC#1 public event on June 6th.
- Broader public / other stakeholders are invited as attendee for the public event.



Tuesday, 6th June 2017

Venue: Zunyan Banquet Hall, 2nd floor in CNCC Grand hotel

No.7 Tianchen East Road, Chaoyang District, Beijing 100105 China

08:00	Registration	
09:00	Welcome speech	Li Meng, Deputy Minister of MOST
09:10	MI Smart Grids Innovation: Road on 100% Renewable Energy	Wang Yibo , Chinese co-Lead of MI IC#1
09:25	Launch Ceremony of Mission Innovation Challenge Smart Grids	
		Luciano Martini , Italian co-Lead MI IC#1
	Moderators:	Lyu Fang , Secretary General of PV committee, CRES
	Greeting speech of India	Harsh Vardhan , Union Minister for Science, Technology and Earth Sciences
	Greeting speech of China	Deputy Minister of CAS (tbc)
	Beijing Consensus	Xiao Liye , Director of IEE CAS
	Ceremony & Group Photo	All participants
10:05	Coffee break	
10:20	Session 1: Smart Grids Innovation strategy, vision and plan	
	Moderator:	Sanjay Bajpai , Indian co-Lead MI IC#1
	Innovation activities of Smart Grids in China	Chaoqian Xu , Deputy Director General of MOST High-tech, China (tbc)
	Innovation activities of Smart Grids in EU	Patrick Child , Deputy Director General of European Commission, Research & Innovation, MI Chair
	Innovation activities of Smart Grids in USA	Michael Pesin , Deputy Assistant Secretary, Advanced Grid Research & Development, (OE), U.S. Department of Energy
	Innovation activities of Smart Grids worldwide	Jean-François Gagné , Head, Energy Technology Policy Division, International Energy Agency
11:30	Panel discussion of Session 1: Short statements from IC#1 country representatives and organizations	
	Moderator:	Luciano Martini , Italian co-Lead of MI IC#1
		Maria Sandqvist , Executive Director of Swedish Smart Grid Forum
		Irene Bonvissuto , Policy Officer, European Commission, DG Research & Innovation
		Arvind Tiwari , General Electric India, R&D

12:30 Lunch break

Venue: China National Convention Center (CNCC), Beijing
CNCC Room 206AB

14:00 Session 2: Smart Grids Innovation Challenges

Moderator: **Wang Yibo**, Chinese co-Lead of MI IC#1

Smart Grids Innovation in China	Liu Jianming , Expert-in-chief of Chinese Key R&D Program Smart Grids
Smart Grids Innovation by ISGAN	Helfried Brunner , ISGAN Representative, Alternate for Austria
Smart Grids Innovation in India	S.C. Srivastava , Chairperson, DST Expert Panel on Smart Grids
Smart grids Innovation	Dolf Gielen , Director of IRENA Innovation and Technology Centre
Smart Grids Innovation in Canada	Alex Bettencour , Managing Director SmartGrid Canada

15:10 Panel discussion of Session 2:

Short statements from IC#1 country representatives and organizations

Moderator: **Sanjay Bajpai**, Indian co-Lead of MI IC#1

Questionnaire 1: Main outcomes on Top R&D topics	Roberto Zuelli , T&D Technologies Dept., RSE
	John K. Ward , Science Director, Grids & Energy Efficient Systems, CSIRO Energy
	Lu Zongxiang , Deputy Director of Electric Machine, Tsinghua University
Innovation activities of Smart grids in Norway	Birgit Hernes , The Research Council of Norway
Danish / EU smart energy, RES integration and power systems	Jacob Østergaard , Head of Center for Electric Power and Energy, DTU Electrical Engineering

16:10 Coffee break

16:25 Session 3: Business and Investor Engagement

Moderator: **Luciano Martini**, Italian co-Lead of MI IC#1

Renewable Energy Innovation 2020 in China	Xu Honghua , CEO of Beijing Corona Expert-in-chief of Chinese Key R&D Program Renewable Energy
WEF Business and Investor Engagement	Espen Mehlum , Head Knowledge Management and Integration, World Economic Forum
Smart grids business opportunity in Italy and worldwide	Fabrizio Gasbarri , New Business Solutions, Global Infrastructure & Networks Division, ENEL
Business opportunity of integrating storage and RES	Wang Yu , Assistant President, Dynavolt Renewable Energy Technology Co., Ltd

17:25	Panel discussion of Session 3: Short statements from IC#1 country representatives and organizations
	Moderator: Lyu Fang , Secretary General of PV committee, CRES
	Ding Jian , Hanergy Corp.
	Cheng Rongxia , Director & Director of Finance and Economics, GCNE
	State Grid (tbc)
	Dong Xuzhu , Director of Smart Grids Institute, China Southern Power Grid (tbc)
18:30	Closing Remarks
	Innovation activities in Italy and the Italian commitment to IC#1
	Ivan Scalfarotto , Deputy Minister of Italian Ministry of Economic Development (MiSE)
19:30	Joint dinner

Notice:

Official website: <http://bjcem8mi2.medcon.org.cn/en/>

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On behalf of MI IC#1 co-Leads:

Wang Yibo, Sanjay Bajpai, and Luciano Martini