



European  
Commission

# SMART GRID RESEARCH AND INNOVATION: CHALLENGES AND PROSPECTS FOR CHINA AND EUROPE

JRC Ispra  
30- 31 May 2017

## JRC Mission

As the science and knowledge service of the European Commission, the Joint Research Centre's mission is to support EU policies with independent evidence throughout the whole policy cycle.



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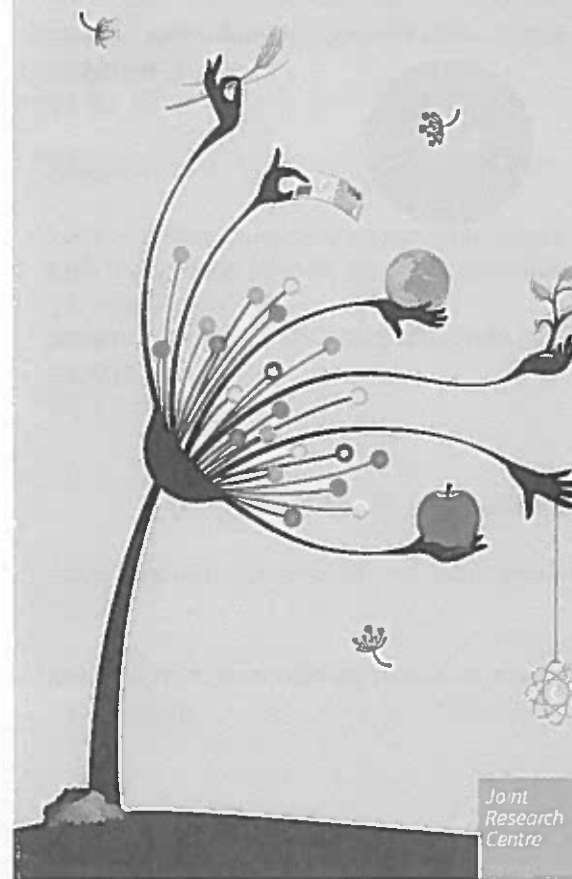
EU Science Hub - Joint Research Centre



Joint Research Centre



EU Science Hub



**The European Commission's  
science and knowledge service**

Joint Research Centre

Joint  
Research  
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**Day 1 Tuesday 30<sup>th</sup> May 2017 (Room 01-Amphitheater)**

09:00-11:00

**Opening**

- **Welcome and introduction**

Marcelo Masera, JRC

- **Chinese Academy of Sciences**

Ning Bolun, Bureau of International Cooperation, CAS

- **CAS address**

Huang Weiguang, Shanghai Advanced Research Institute, Chinese Academy of Sciences

- **EU delegation address**

Laurent Bochereau, EU Science Counsellor EU Delegation, Beijing

**Coffee break**

11:30-12:45

**SESSION I**

- **Digital energy: Actions in JRC**

Marcelo Masera, JRC

- **SARI-CAS Overview**

Liu Jianzhou, Shanghai Advanced Research Institute, Chinese Academy of Sciences

**Lunch**

14:30-15:45

**SESSION II**

**Techno-economic assessment: from pilots to deployment**

Tomás Gómez, Universidad Pontificia de Comillas, Madrid

**Energy Internet for Sustainable Environment, Energy and Economic Growth**

Gao Feng, Institute of Energy Internet Innovation (IEII), Tsinghua University

**Coffee break**

16:00-16:45

**SESSION III**

**Analytics of network planning, operation, balancing**

Ferdinanda Ponci, E.ON Energy Research Center, RWTH Aachen University

**Cybersecurity in the energy sector**

Igor Nai Fovino, JRC

17:00-17:30

**Round table: Wrap-up of topics of common interest**

19:00

Social dinner, Conca Azzurra Hotel, Ranco

**Day 2 Wednesday 31<sup>st</sup> May 2017 (Room 01-Amphitheater)**

09:00-10:45

**SESSION IV**

**Demand response and end customer integration - The experience of ENEL**

Raphael Rinaldi, ENEL

**City Intelligent Energy Network Demonstration Introduction**

Zhuang Xiaojie, Shanghai Advanced Research Institute, Chinese Academy of Sciences

**Coffee break**

11:00-12:45

**SESSION II:**

**Energy Management Technologies in Electric Vehicles and Smart Grid**

Zhou Yimin, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences

**Nudging prosumers' behaviors through social, economic and political signals in smart grids**

Ettore Bompard, Politecnico di Torino

**Lunch**

14:00-14:45

**Round table: Way forward the EU-China collaboration on smart grids**

China viewpoint

EU viewpoint

15:00-16:30

**Visit to the JRC Interoperability Laboratories**

Smart Grid Interoperability lab

Electro-mobility Interoperability lab