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# **International Workshop on Energy Efficiency and Renewables Statistics**

Beijing, China, 23 - 25 May 2018

## **Useful Information**

### **I. Workshop Organizers**

This workshop is co-hosted by the National Bureau of Statistics of China (NBS) and International Energy Agency (IEA).

### **II. Participant Package**

A package is available for every participant, containing:

Name tag, Workshop Manual, Documents, meal tickets and stationery.

### **III. Workshop Venue**

Tiantan Hall (4<sup>th</sup> floor), Beijing Tiantan Hotel.

### **IV. Workshop Hours**

Morning Sessions 09:00 – 12:00

Afternoon Sessions 14:00 – 17:30

### **V. Simultaneous Interpretation Equipment**

The workshop provides every participant with one set of interpretation equipment, including a receiver and an earphone. Please use the equipment with care. Please kindly keep the equipment on the table after each session.

### **VI. Contacts at the Workshop Organizing Office**

<b>Name</b>	<b>Responsibility</b>
Mr. Lu Zhixian	Director
Mr. Li Yichen	Coordinator
Ms. Wang Ying	Coordinator
Mr. Man Kang	Coordinator
Ms. Qin Ruiyu	Coordinator

# **International Workshop on Energy Efficiency and Renewables Statistics**

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## **Agenda of the Workshop**

### **Wednesday, 23 May 2018**

09:00 - 09:20 **Opening Ceremony**

1. Opening Statement by *Mr. Mao Youfeng*, Deputy Commissioner, National Bureau of Statistics of China (NBS)
2. Opening Statement by *Mr. Duncan Millard*, Chief Statistician and Head of Energy Data Centre, International Energy Agency (IEA)

Chairperson: *Mr. Xu Yipin*, Director-General, Statistical Education and Training Center, NBS

09:20 - 09:30 **Overview of the Workshop**

Presenter: *Mr. Duncan Millard*, IEA

09:30 - 10:30 **Why Data Matters for Energy Efficiency and Renewables Policies**

Presenter: *Mr. Duncan Millard*, IEA

10:30 - 10:45 *Tea Break*

10:45 - 12:00 **Introduction to Energy Statistics: the Core Importance of Good Energy Balances**

Presenter: *Mr. Nikolaos Kordevas*, IEA

12:00 - 14:00 *Lunch Break*

14:00 - 15:30 **Why Monitoring Renewables and Energy Efficiency Needs Accurate Balances Data**

Presenter: *Ms. Roberta Quadrelli*, IEA

15:30 - 15:45 *Tea Break*

15:45 - 17:30 **Country Experience Reports: China, Laos, Indonesia, Malaysia, Pakistan**

- 09:00 - 10:15 **Renewable Energy in the World – Approaches in Different Countries**  
- Key figures, basic concepts in renewable energy, challenges in renewable energy statistics, approaches used in different countries  
Presenter: *Mr. Nikolaos Kordevas, IEA*
- 10:15 - 11:00 **Experience of Collecting Renewable Energy Statistics in China**  
Presenter: *Ms. Hu Runqing, China National Renewable Energy Centre*
- 11:00 - 11:15 Tea Break
- 11:15 - 12:00 **Collecting Renewables Electricity Data**  
- Collecting renewable energy statistics in selected APEC economies  
- Collecting renewables electricity data in Japan  
- The UK experience about electricity generation from Solar PV  
Presenters: *Ms. Elvira Gelindon, Asia Pacific Energy Research Centre (APERC)*  
*Mr. Goichi Komori, APERC*  
*Mr. Duncan Millard, IEA*
- 12:00 - 14:00 Lunch Break
- 14:00 - 15:00 **Collecting Renewables Non-electricity Data**  
- The Austrian experience  
- Collecting district heating data: the French experience  
Presenters: *Mr. Wolfgang Bitterman, Statistics Austria*  
*Mr. Nikolaos Kordevas, IEA*
- 15:00 – 15:45 **Data Dissemination and Communication**  
Presenter: *Mr. Duncan Millard, IEA*
- 15:45 – 16:00 Tea Break
- 16:00 – 17:00 **Principles of Developing Energy Efficiency Indicators**  
Presenter: *Ms. Roberta Quadrelli, IEA*
- 17:00 – 17:30 **Country Experience Reports: Phillipines, Thailand**

**Friday, 25 May 2018**

- 09:00 - 10:30 **Measuring Efficiency in the Residential/Buildings Sector**
- Measuring energy efficiency in residential/buildings sector: example of data collection practices in selected APEC economies
  - The U.S. experience
  - The Austrian experience
- Presenters: *Ms. Elvira Gelindon*, APERC  
*Ms. Eileen O'Brien*, U.S. Energy Information Administration (EIA)  
*Mr. Wolfgang Bitterman*, Statistics Austria
- 10:30 - 10:45 *Tea Break*
- 10:45 - 12:00 **Measuring Energy Efficiency in Industry and Services**
- Measuring energy efficiency in industry: example of data collection practice in Japan
  - The UK building energy efficiency survey
- Presenters: *Mr. Goichi Komori*, APERC  
*Mr. Duncan Millard*, IEA
- 12:00 - 14:00 *Lunch Break*
- 14:00 - 15:30 **Measuring Energy Efficiency in Transport: Example of Country Practices on Data Collection**
- The challenges of collecting energy efficiency indicators in transport
  - The U.S. experience
- Presenters: *Ms. Roberta Quadrelli*, IEA  
*Ms. Eileen O'Brien*, EIA
- 15:30 - 15:45 *Tea Break*
- 15:45 - 16:30 **Conclusions of the Workshop**
- 16:30 - 17:00 **Closing Ceremony**

**International Workshop on  
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**List of Panelists**

<b>Name</b>	<b>Position &amp; Organization</b>
Mr. Duncan Millard	Chief Statistician and Head of Energy Data Centre, International Energy Agency (IEA)
Ms. Roberta Quadrelli	Head of Energy Balances, Prices, Emissions and Efficiency, Energy Data Centre, IEA
Mr. Nikolaos Kordevas	Senior Statistician, Energy Data Centre, IEA
Mr. Goichi Komori	Senior Researcher, Statistics and Training Office, Asia Pacific Energy Research Centre (APERC)
Ms. Elvira Gelindon	Senior Researcher, Statistics and Training Office, APERC
Mr. Wolfgang Bittermann	Head of Energy Statistics, Statistics Austria
Ms. Eileen O'Brien	Team Lead, Office of Energy Consumption and Efficiency Statistics, U.S. Energy Information Administration

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**List of Officials Attending the Workshop**

<b>Name</b>	<b>Position &amp; Organization</b>
Mr. Mao Youfeng	Deputy Commissioner, National Bureau of Statistics of China (NBS)
Mr. Xu Yipin	Director-General, Statistical Education and Training Center, NBS
Ms. An Yuhuan	Deputy Director-General, Department of International Cooperation, NBS
Ms. Wang Yixuan	Acting Director-General, Department of Energy Statistics, NBS
Ms. Zhu Hong	Deputy Director-General, Department of Energy Statistics, NBS
Ms. Zhang Liying	Deputy Director-General, Statistical Education and Training Center, NBS
Mr. David Benazeraf	China Programme Officer, International Energy Agency



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**List of International Participants**

<b>No.</b>	<b>Name</b>	<b>Organization</b>	<b>Position</b>
1	Mr. Muhammad Habibullah	Statistics Indonesia	Deputy Chief Statistician for Production Statistics
2	Mr. Edi Prawoto	Statistics Indonesia	Head of Section
3	Mr. Ekmoungkhoun Singpraseuth	Lao Statistics Bureau	Technical Officer
4	Ms. Phout Outha	Lao Statistics Bureau	Technical Officer
5	Ms. Idzrin Idzwana Binti Ismail	Department of Statistics, Malaysia	Assistant Director
6	Mr. Lee Chee You	Department of Statistics, Malaysia	Statistician
7	Mr. Abdul Fatah Kalhoro	Pakistan Bureau of Statistics	Assistant Census Commissioner
8	Mr. Nasir Khan	Pakistan Bureau of Statistics	Statistical Officer
9	Ms. Felicidad Hebron	Philippine Statistics Authority	Senior Statistical Specialist
10	Mr. Dean Joseph Villanueva	Philippine Statistics Authority	Statistical Specialist
11	Mr. Chirawat Poonsab	National Statistical Office, Thailand	Statistician
12	Ms. Passarin Petchumli	Ministry of Energy, Thailand	Plan and Policy Analyst

**International Workshop on  
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**List of Chinese Participants**

<b>No.</b>	<b>Name</b>	<b>Organization</b>	<b>Position</b>
1	Ms. Hu Runqing	National Development and Reform Commission	Associate Research Fellow
2	Ms. Han Binjie	National Development and Reform Commission	Principal Program Officer
3	Mr. Jin Kunkun	China Electricity Council	Principal Program Officer
4	Ms. Dong Yongmei	Department of Industrial Statistics, National Bureau of Statistics of China (NBS)	Consultant
5	Ms. Zhao Qian	Department of Energy Statistics, NBS	Director
6	Mr. Zhang Zhan	Department of Energy Statistics, NBS	Director
7	Mr. Ma Shuai	Department of Energy Statistics, NBS	Deputy Director
8	Ms. Li Bei	Department of Energy Statistics, NBS	Principal Program Officer
9	Ms. Yang Jia	Department of Energy Statistics, NBS	Principal Program Officer
10	Ms. Lin Wenting	Department of Energy Statistics, NBS	Clerk
11	Ms. Shang Mengqi	Department of Household Surveys, NBS	Principal Program Officer
12	Ms. Zhao Jie	Department of Service Statistics, NBS	Clerk
13	Ms. Xue Ting	Beijing Municipal Bureau of Statistics	Principal Program Officer

<b>No.</b>	<b>Name</b>	<b>Organization</b>	<b>Position</b>
14	Ms. Yin Min	Beijing Municipal Bureau of Statistics	Principal Program Officer
15	Mr. Ding Ning	Tianjin Municipal Bureau of Statistics	Principal Program Officer
16	Ms. Zhang Xiaojuan	Tianjin Municipal Bureau of Statistics	Clerk
17	Mr. Zhang Xiangxin	Hebei Provincial Bureau of Statistics	Deputy Director
18	Mr. Shi Tiefeng	Hebei Provincial Bureau of Statistics	Principal Program Officer
19	Mr. Guo Qianbo	Shanxi Provincial Bureau of Statistics	Consultant
20	Mr. Li Weikun	Shanxi Provincial Bureau of Statistics	Principal Program Officer
21	Mr. Li Li	Inner Mongolia Autonomous Region Bureau of Statistics	Chief Engineer
22	Mr. Lu Chengyuan	Inner Mongolia Autonomous Region Bureau of Statistics	Program Officer
23	Ms. Jin Yuefeng	Liaoning Provincial Bureau of Statistics	Principal Program Officer
24	Ms. Teng Qiuju	Liaoning Provincial Bureau of Statistics	Senior Program Officer
25	Mr. Cheng Chun	Jilin Provincial Bureau of Statistics	Director
26	Ms. Han Meng	Jilin Provincial Bureau of Statistics	Senior Program Officer
27	Ms. Yan Jieming	Heilongjiang Provincial Bureau of Statistics	Principal Program Officer
28	Mr. Zhang Yunpeng	Heilongjiang Provincial Bureau of Statistics	Principal Program Officer
29	Mr. He Jun	Shanghai Municipal Bureau of Statistics	Principal Program Officer
30	Ms. Zhu Xuan	Shanghai Municipal Bureau of Statistics	Principal Program Officer

<b>No.</b>	<b>Name</b>	<b>Organization</b>	<b>Position</b>
31	Ms. Lu Xina	Jiangsu Provincial Bureau of Statistics	Principal Program Officer
32	Mr. Wang Xiaoguang	Jiangsu Provincial Bureau of Statistics	Senior Program Officer
33	Mr. Mo Fengyong	Zhejiang Provincial Bureau of Statistics	Principal Program Officer
34	Ms. Zhang Chaoying	Zhejiang Provincial Bureau of Statistics	Principal Program Officer
35	Mr. Li Yuechuan	Anhui Provincial Bureau of Statistics	Deputy Consultant
36	Ms. Wang Bing	Anhui Provincial Bureau of Statistics	Program Officer
37	Mr. Chen Haoming	Fujian Provincial Bureau of Statistics	Principal Program Officer
38	Mr. He Xiangwei	Fujian Provincial Bureau of Statistics	Statistician
39	Mr. Chen Mengjie	Jiangxi Provincial Bureau of Statistics	Principal Program Officer
40	Mr. Zhan Zhimin	Jiangxi Provincial Bureau of Statistics	Senior Program Officer
41	Mr. Sun Liangjiang	Shandong Provincial Bureau of Statistics	Principal Program Officer
42	Ms. Fang Xiaowei	Shandong Provincial Bureau of Statistics	Principal Program Officer
43	Ms. Yang Lin	Henan Provincial Bureau of Statistics	Principal Program Officer
44	Mr. Qin Hongtao	Henan Provincial Bureau of Statistics	Principal Program Officer
45	Mr. Ye Boxun	Hubei Provincial Bureau of Statistics	Principal Program Officer
46	Mr. Yang Dongshen	Hunan Provincial Bureau of Statistics	Principal Program Officer
47	Mr. He Da	Hunan Provincial Bureau of Statistics	Principal Program Officer

<b>No.</b>	<b>Name</b>	<b>Organization</b>	<b>Position</b>
48	Ms. Zeng Qianrou	Guangdong Provincial Bureau of Statistics	Consultant
49	Ms. Yu Shaoling	Guangdong Provincial Bureau of Statistics	Principal Program Officer
50	Ms. Gan Yanhua	Guangxi Zhuang Autonomous Region Bureau of Statistics	Senior Program Officer
51	Ms. Zhong Shanshan	Guangxi Zhuang Autonomous Region Bureau of Statistics	Clerk
52	Mr. Wu Jianxin	Hainan Provincial Bureau of Statistics	Deputy Consultant
53	Mr. Fang Yiqin	Hainan Provincial Bureau of Statistics	Principal Program Officer
54	Mr. Zhang Yong	Chongqing Municipal Bureau of Statistics	Deputy Director
55	Mr. Ming Lang	Chongqing Municipal Bureau of Statistics	Senior Program Officer
56	Ms. Wang Juan	Sichuan Provincial Bureau of Statistics	Principal Program Officer
57	Mr. Xie Zhongting	Sichuan Provincial Bureau of Statistics	Clerk
58	Ms. Xu Zhiqing	Guizhou Provincial Bureau of Statistics	Deputy Consultant
59	Ms. Deng Xiaowei	Guizhou Provincial Bureau of Statistics	Principal Program Officer
60	Mr. Tang Zhenhe	Yunnan Provincial Bureau of Statistics	Deputy Consultant
61	Mr. Ma Jun	Yunnan Provincial Bureau of Statistics	Senior Program Officer
62	Mr. Mao Yong	Tibet Autonomous Region Bureau of Statistics	Deputy Director
63	Ms. Li Xiaofeng	Tibet Autonomous Region Bureau of Statistics	Principal Program Officer
64	Ms. Cai Junhui	Shaanxi Provincial Bureau of Statistics	Principal Program Officer

<b>No.</b>	<b>Name</b>	<b>Organization</b>	<b>Position</b>
65	Ms. Ran Niping	Shaanxi Provincial Bureau of Statistics	Principal Program Officer
66	Ms. Wang Wenwen	Gansu Provincial Bureau of Statistics	Senior Program Officer
67	Ms. Shi Xuemei	Gansu Provincial Bureau of Statistics	Principal Program Officer
68	Ms. Li Fang	Qinghai Provincial Bureau of Statistics	Principal Program Officer
69	Ms. Zheng Rui	Qinghai Provincial Bureau of Statistics	Program Officer
70	Ms. She Yuan	Ningxia Hui Autonomous Region Bureau of Statistics	Senior Program Officer
71	Ms. Ma Chunyan	Ningxia Hui Autonomous Region Bureau of Statistics	Principal Program Officer
72	Ms. Liu Lei	Xinjiang Uygur Autonomous Region Bureau of Statistics	Deputy Consultant
73	Mr. Zheng Heguang	Xinjiang Uygur Autonomous Region Bureau of Statistics	Principal Program Officer
74	Ms. Wang Yao	Xinjiang Production and Construction Corps Bureau of Statistics	Principal Program Officer
75	Ms. Chang Yang	Dalian Bureau of Statistics	Principal Program Officer
76	Mr. Yu Yongyang	Qingdao Bureau of Statistics	Director
77	Mr. Gu Zhangjun	Ningbo Bureau of Statistics	Senior Program Officer
78	Mr. Liang Dajun	Shenzhen Bureau of Statistics	Deputy Director