



2016 ASIA-PACIFIC

Summit on Low Carbon Technology

Participant Manual

19-21 October 2016 Changsha, Hunan Province, PRC
Development and Reform Commission of Hunan Province
Asian Development Bank

Summit Introduction

Background

The Asian Development Bank (ADB), through its Climate Technology Finance Center (CTFC) has been working in Hunan Province, People's Republic of China (PRC) initially to provide assistance in mainstreaming climate technologies into their provincial development and investment plans. Since then, CTFC has expanded its involvement in Hunan to the setting up of a low carbon technology venture capital fund; establishing an accelerator program to mentor early stage clean technology start-up entrepreneurs; and helping create a low carbon technology network and market platform.

On 22 September 2015, a Memorandum of Understanding (MOU) on cooperation to promote climate technology development and deployment was signed by ADB and the Hunan Development and Reform Commission (Hunan DRC) in Changsha, Hunan, PRC. As part of the MOU, both sides agreed to work together to host an international summit on low carbon technology at Changsha, Hunan in 2016 with the aim of promoting international cooperation on low carbon technology.

2016 marks the 30th year for ADB and PRC cooperation and, a series of events will be held to celebrate this 30-year partnership in working towards reducing poverty through inclusive economic growth and sustainable development. This Summit is one of the activities to commemorate this important milestone.

Purpose of the Summit

The Asia-Pacific Summit on Low Carbon Technology will showcase global, regional, and country success stories and experiences in promoting the development and deployment of low carbon technologies. It will also seek to induce greater levels of investments in low carbon technology as well as stimulate both south-south and north-south transfer of technologies through networking and partnership.

The Asia-Pacific Summit on Low Carbon Technology will:

1. Release a series of outcomes of the cooperation between ADB and Hunan regarding low carbon technologies;
2. Feature a series of plenary discussions focusing on policies, measures, success stories, and practical experience in low carbon technology deployment and investments;
3. Host a parallel exhibition featuring more than 50 low carbon technologies;
4. Launch the operations of the Hunan Clean Technology Incubator: Greenovator;
Launch a collection of 50 emerging low carbon technologies.

Summit Organizers and Sponsors

Summit Organizers:

- Development and Reform Commission of Hunan Province
- Asian Development Bank

Summit Co-Organizers:

- Information Office of the People's Government of Hunan Province
- Hunan Provincial Department of Finance
- Changsha Municipal People's Government

Implementing Agencies:

- Climate Technology Finance Center (CTFC), Asian Development Bank
- China Council for the Promotion of International Trade, Hunan Sub-council
- Hunan Xiangjiang New Area Management Committee

Supporting Agencies:

- British Consulate General Guangzhou
- CECEP Consulting Co., Ltd.
- Google AdWords
- Hunan Innovative Low Carbon Center
- Hunan International Low Carbon Technology Exchange Center
- Institute for Global Environmental Strategies (IGES)
- US-China Energy Cooperation Program
- World Intellectual Property Organization Green (WIPO Green)
- WWF China



Major Outcomes

- 1: Changsha Declaration - Asia-Pacific Low Carbon Technology Promotion Initiatives
- 2: Hunan International Low Carbon Technology Trading Center
- 3: Greenovator Incubator
- 4: Signing Ceremonies between:
Greenovator Incubator and Google Idvert
Ping' An Environmental Protection Co. Ltd and Yurim Tech Co., Ltd (Korea)
- 5: Launching of the Collection of 50 Emerging Climate Technologies
- 6: Presentation of ADB-TusStar Cleantech Competition

Registration

Please register using your ID or the registration code in your invitation and obtain summit package at the registration desk. The package includes the summit program, exhibition publications, conference documents, conference badge and souvenirs.

Registration Time: 10:30-22:30, October 18th, 2016 (Tuesday)

Venue: Changsha InterContinental Hotel & Resorts Lobby

Organization Contact: Dan Wang 18684868312, Zihui Liu 18711155143

Vehicle Arrangement: Ren Tang 13548572742

Site Visit Contact: Xinqian Liang 15874104861

Hotel Contact: Lily Hu 18163719229

Logistic Tips

- 1: Please follow the summit program to attend the events. Please feel free to contact the volunteers (wearing volunteer badges) or organization staff (wearing staff badges) if you need any assistance. In case of last-minute changes in the agenda or events, please follow the notices issued by the organization committee at the venue.
- 2: For security, all participants are required to wear conference badge for attendance to all the activities.
- 3: All participants are advised to be in business attire and to come to events 10 minutes ahead of schedules.
- 4: Shuttle buses will be offered to the participants who stay in Wanda Vista and Huatian. Please gather in the lobby at 7:45 on 19th and 20th to take electric buses to the conference.

Opening Ceremony: 9:00 A.M, Oct 19th, 2016

Welcome Banquet: 6:00 P.M, Oct 19th, 2016

Closing Ceremony: 5:30 P.M, Oct 20th, 2016

5: Please wear the conference badge to be admitted to dining service. Details of dining service are as follows:

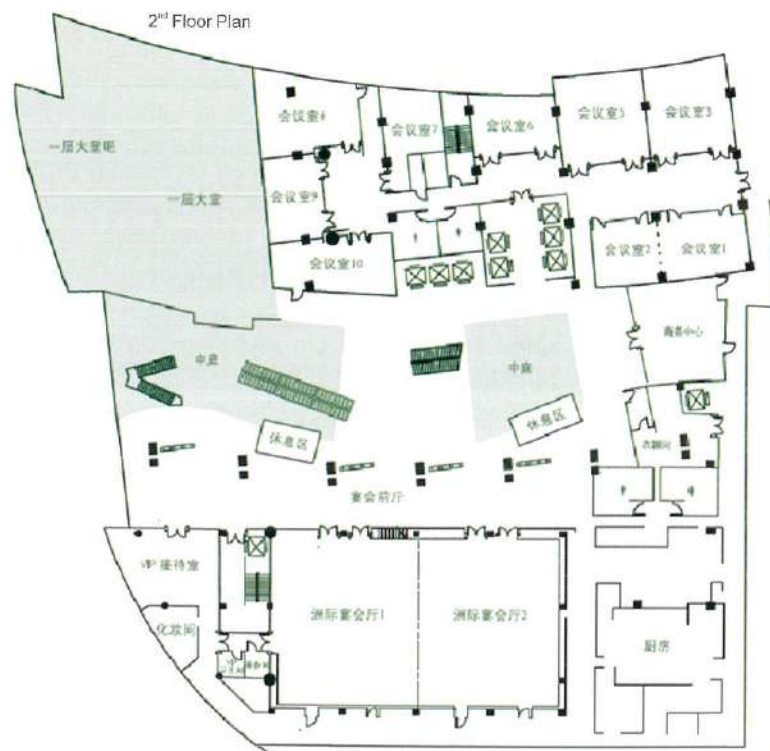
Time	Meal	Host	Venue
12:00, Oct 19 th	Lunch	ADB	InterContinental Ballroom, 2 nd Floor
18:30, Oct 19 th	Welcome Banquet	The People's Government of Hunan Province	Wuzhou Ballroom, 4 th Floor
12:30, Oct 20 th	Lunch	ADB	InterContinental Ballroom, 2 nd Floor
19:00, Oct 20 th	Dinner	The People's Government of Hunan Province	InterContinental Ballroom, 2 nd Floor

Important note: both registration and admission to event venue or dining hall require QR code scanning. Participants must bring your conference badge for identification and logistic statistic collection.

6: The summit include both the high-level forum and Asia-Pacific low carbon technology exhibition. It takes about 10 minutes to walk from one venue to the other through the corridors. Please wear the conference badge in order to be admitted to the events. Please refer to the relevant part of the program for the time of the summit and the exhibition.

7: For better environment and smooth proceedings, smoking is not allowed in the venue. Please keep quiet, turn your mobile phone into vibrant or silent mode and take good care of your personal belongings and summit documents.

8: Hotel Map





Agenda

InterContinental Changsha, Hunan Province People's Republic of China (PRC)

19-21 October 2016

DAY ONE - 19 OCTOBER 2016

8:30 ~ 9:00
(30 minutes)

Registration
Brief meeting with senior officials of the Hunan Government
(by invitation only)

9:00 ~ 10:10
(70 minutes)

Opening Session and Keynote Address

Opening Remarks:

- **Mr. Dazhe Xu**, Acting Governor of Hunan Province
- **Mr. Bambang Susantono**, Vice President, Knowledge Management and Sustainable Development, Asian Development Bank

Keynote Address:

- **Mr. Yong Zhang**, Vice Chairman, National Development and Reform Commission, People's Republic of China
- **Mr. Hongcai Xu**, Assistant Minister, Ministry of Finance, People's Republic of China
- **Barbara Woodward**, Her Majesty's Ambassador, Dame, DCMG OBE, United Kingdom
- **Mr. Ayumi Konishi**, Director General, East Asia Regional Department, Asian Development Bank

10:10 ~ 10:50
(40 minutes)

Special Presentations

- Changsha Declaration - Asia-Pacific Low Carbon Technology Promotion Initiatives ---released by **Mr. Xiangqun Chen**, Executive Vice Governor of Hunan Province
- Hunan International Low Carbon Technology Trading Center
- Greenovator Incubator **Signing Ceremonies between:**
- Greenovator Incubator and Google Idvert
- Ping'An Environmental Protection Co. Ltd and Yurim Tech Co., Ltd (Korea) **Launching of the Collection of 50 Emerging Climate Technologies**
- **Presentation of ADB-TusStar Cleantech Competition**

10:50 ~ 11:20
(30 minutes)

Coffee & Tea Break

11:20 ~ 11:50
(30 minutes)

Exhibition of Low Carbon Technologies:

Guided Tour for Participants
Museum of Changsha City

12:00 ~ 14:00
(120 minutes)

Lunch

14:00 ~ 15:30
(90 minutes)

Session 1: Strategies and Plans for Implementing Paris Agreement and the Demand for Low Carbon Technology

The session will provide an overview of the strategies and plans of governments in implementing the Paris Agreement; and the demands for low carbon technology development and transfer, including challenges faced and possible solutions.

Session Chair: **Mr. Robert Guild**, Director, Transport and Communications Division, East Asia Regional Department, Asian Development Bank

Panelists:

- **Ms. Wanna Tanunchaiwatana**, Manager, Technology, United Nations Framework Convention on Climate Change (UNFCCC) Secretariat
- **Ms. Hong Miao**, Energy Program Lead, World Resources Institute
- **Mr. Yongping Zhai**, Technical Advisor (Energy), Sustainable Development and Climate Change Department, Asian Development Bank
- **Mr. Zhengrong Shi**, Professor, University of New South Wales, Australia; and Founder, Suntech Power

15:30 ~ 16:00
(30 minutes)

Coffee & Tea Break

16:00 ~ 17:30
(90 minutes)

Session 2: National Initiatives in Promoting Low Carbon Technology Development and Investments

The session will focus on best practices, challenges, and enabling environment at the national level that help promote development, deployment, and investments in low carbon technologies as well as prospects for their future demand.

Session Chair: **Mr. Jun Wang**, Director General, Center for International Statistics and Information, National Bureau of Statistics China

Panelists:

- **Mr. Rupert Ainley**, Head of China Climate Change and Energy Network, British Embassy
- **Ms. Hongzhi Liu**, Deputy Director General, Department of Science, Technology and Standards, Ministry of Environmental Protection, People's Republic of China
- **Mr. Xianbing Liu**, Senior Policy Researcher, Kansai Research Centre, Institute for Global Environmental Strategies (IGES)
- **Mr. H.K. Sikri**, Additional General Manager (Climate Change), Ministry of Power, India
- **Mr. Steve Winkates**, Director of Program Management, East Asia Region, U.S. Trade and Development Agency

18:30 ~ 19:30
(60 minutes)

Welcome Banquet

20:00 ~ 21:00
(60 minutes)

Welcome Banquet



Agenda

DAY TWO - 20 OCTOBER 2016

8:30 ~ 9:00
(30 minutes)

Registration

9:00 ~ 10:30
(90 minutes)

Session 3: International Initiatives in Promoting Low Carbon Technology Development and Investments

The session will focus on the initiatives launched by multinational organizations in promoting low carbon technology development and transfer, and the best practices, challenges, and experience.

Session Chair: **Ms. Wanna Tanunchaiwatana**, Manager, Technology, United Nations Framework Convention on Climate Change (UNFCCC) Secretariat

Panelists:

- **Mr. Jukka Uosukainen**, Director, Climate Technology Centre and Network
- **Mr. Hongbing Chen**, Director of WIPO Office in China, World Intellectual Property Organization (WIPO)
- **Mr. Sudhir Sharma**, Programme Officer, Regional Office for Asia Pacific, United Nations Environment Programme (UNEP)
- **Mr. Stefan Henningsson**, Senior Advisor, Climate Innovations, WWF
- **Ms. Ying Yuan**, Head of the Climate and Energy Unit, Greenpeace East Asia
- **Mr. Xuedu Lu**, Advisor, Sustainable Development and Climate Change Department, Asian Development Bank

10:30 ~ 11:00
(30 minutes)

Coffee & Tea Break

The remaining Day Two Agenda will feature 2 Parallel Track Sessions:

- **Track A** will focus on the elements for creating an enabling environment for low carbon technology development and promotion (*Target audience: government officials, financial academic experts*).
- **Track B** will feature experiences in developing and deploying low carbon technologies (*Target audience: business and investment managers, financial and academic experts*).

11:00 ~ 12:30
(90 minutes)

Track A. Session 1: Role of Financial Institutions in Low Carbon Technology Development and Promotion

This session will showcase experiences of financial institutions in supporting low carbon technology investment, including initiatives, plans, financial instruments applied, and key issues and factors for decision making in investment.

Session Chair: Ms. Guojun An, Deputy Secretary General, Green Finance Committee, China Society for Finance and Banking

Panelists:

- **Mr. Heung Woo Lee**, Senior Director, Korea Technology Finance Corporation
- **Ms. Masako Ogawa**, Senior Environment Specialist, Global Environment Facility (GEF)
- **Mr. Rob Fowler**, Head of Certification, Climate Bonds Initiative
- **Mr. Gang Wen**, Director of Research and Development, China Clean Development Mechanism Fund (CCDMF)
- **Ms. Yaqin Chen**, Deputy Director of Market Development, China Industrial Bank
- **Mr. Anthony Lam**, Managing Director, Asia Climate Partners (ACP)
- **Ms. Judy Li**, Green Finance Leader, Climate Change and Sustainability Services, Ernst & Young

11:00 ~ 12:30
(90 minutes)

Track B. Session 2 Introduction of Emerging Low Carbon Technologies and Assessment of Potential for Investment

This session will introduce the top climate technology startups from the joint ADB-TusStar Cleantech Competition, the Hunan Cleantech Competition, as well as the Collection of 50 Low Carbon Technologies (LCT 50). After a brief presentation by each startup, a panel of investors and technology experts will offer feedback on the potential opportunity for investments for each startup.

Session Chair: Mr. Xavier Chen, President, Beijing Energy Club

Panelists:

- **Ms. Jing Xiao**, Director, TusStar Incubator Research Center
- **Mr. Nan Chen**, Chief Investment Officer of Central China, Shenzhen Capital Group Co., Ltd.
- **Mr. Walter Ge**, Director, Institute for Environment and Development (IED)
- **Mr. Haisheng Wang**, Cleantech Investment Specialist
- **Mr. Xiaochen Zhang**, Founding partner, New Development Ventures
- **Mr. Daniel Heresson**, Consultant, Asian Development Bank *Climate Technology Startups:*
 - BluePHA
 - Carbon Energy Technology Co., Ltd
 - EQuota Energy Technology (China) Co., Ltd.,
 - Libralato
 - Pionvasion



Agenda

12:30 ~ 14:00
(90 minutes)

Lunch

14:00 ~ 15:30
(90 minutes)

Track A. Session 3: Building a Low Carbon Technology Network in Asia-Pacific

This session will highlight the experiences and challenges of establishing national designated entities (NDEs), as well as the role NDEs and technology centre partners of the Climate Technology Centre and Network (CTCN) have in facilitating an enabling environment and stimulating greater investments for low carbon technologies in the region.

Session Chair: **Mr. Sudhir Sharma**, Programme Officer, Regional Office for Asia Pacific, United Nations Environment Programme (UNEP)

Panelists:

- **Mr. Jukka Uosukainen**, Director, Climate Technology Centre and Network
- **Ms. Huong Chu Thi Thanh**, Deputy Director, Science, Technology and International Cooperation Division, Department of Meteorology, Hydrology and Climate Change, Ministry of Natural Resources and Environment, Viet Nam
- **Ms. Widiatmini Sih Winanti**, Agency for the Assessment and Application of Technology (BPPT)
- **Ms. Vanadila Veby**, Data Analyst, Directorate of Sectoral and Regional Resources Mobilization, and Directorate General of Climate Change, Ministry of Environment and Forestry, Indonesia
- **Mr. Xianbing Liu**, Senior Policy Researcher, Kansai Research Centre, Institute for Global Environmental Strategies (IGES)

14:00 ~ 15:30
(90 minutes)

Track B. Session 4: Introduction of Emerging Low Carbon Technologies and Assessment of Potential for Investment

This session will introduce the top climate technology startups from the joint ADB-TusStar Cleantech Competition, the Hunan Cleantech Competition, as well as the Collection of 50 Low Carbon Technologies (LCT 50). After a brief presentation by each startup, a panel of investors and technology experts will offer feedback on the potential opportunity for investments for each startup.

Session Chair: **Mr. Xavier Chen**, President, Beijing Energy Club

Panelists:

- **Ms. Jing Xiao**, Director, TusStar Incubator Research Center
- **Mr. Nan Chen**, Chief Investment Officer of Central China, Shenzhen Capital Group Co., Ltd.
- **Mr. Walter Ge**, Director, Institute for Environment and Development (IED)
- **Mr. Haisheng Wang**, Cleantech Investment Specialist
- **Mr. Xiaochen Zhang**, Founding partner, New Development Ventures
- **Mr. Daniel Heresson**, Consultant, Asian Development Bank *Climate Technology Startups:*
 - Teker Energy Co., Ltd
 - Zhejiang Dachong Energy Technology Co., Ltd
 - Luxin Technology Co., Ltd
 - Ping'an Environmental Protection Co., Ltd
 - Dongyou Energy Conservation Co., Ltd

15:30 ~ 16:00
(30 minutes)

Coffee & Tea Break

16:00 ~ 17:30
(90 minutes)

Track A. Session 5: Role of a Low Carbon Technology Platform in Climate Technology Transfer

This session will discuss functions and value-addition of low carbon technology platforms including the experiences and challenges of existing programs.

Session Chair: Mr. Peng Gao, Professor, University of Chinese Academy of Sciences, and Chief Scientist, Sinocarbon Innovation and Investment Co. Limited

Panelists:

- Mr. Sasank Goli, Chief Executive Officer, IPEX Cleantech Asia
- Mr. Rong Xu, Chief Executive Officer, Umore Group
- Mr. Xavier Chen, President, Beijing Energy Club
- Mr. Carl Geng, Managing Director, China Cleantech Accelerator
- Mr. Lin Qiu, Executive Director, International Low-Carbon Clean Technology Collaboration and Communication Platform (ICTP)
- Mr. Fan Zhang, Senior Advisor, Hunan International Low Carbon Technology Exchange Center

16:00 ~ 17:30
(90 minutes)

Track B. Session 6: Experience of Low Carbon Technology Development and Industrialization by Business Sectors

This session will discuss the challenges, lessons learned and future directions of business entities (private and public) as they pursue low carbon technology development and deployment.

Session Chair: Representative of Hunan Economic and Information Technology Commission

Panelists:

- Mr. Hui Wen, CEO, Tus Holdings Clean Energy Group
- Mr. Jun Tang, Director of Power Industry, Huawei Technologies Co. Ltd.
- Mr. Bo Huang, Vice President, Broad Homes Industrial International Construction Co., Ltd
- Mr. Robert Huang, Director, New Market and Program Development, GE Power
- Mr. Jiangping Xiao, President, Hunan Hualing Energy Saving and Environmental Protection Co., Ltd
- Mr. Hongbin Liu, Vice President of Hunan Corun New Energy Co., Ltd.

17:30 ~ 18:00
(30 minutes)

Concluding Session: Future Directions for Cooperation in Low Carbon Technology Investment

Session Chair: Mr. Xuedu Lu, Advisor, Sustainable Development and Climate Change Department, Asian Development Bank

Closing Remarks:

- Mr. Yongping Zhai, Technical Advisor (Energy), Sustainable Development and Climate Change Department, Asian Development Bank
- Mr. Xiuhong Guo, Deputy Director General, Hunan Department of Finance
- Ms. Jianhui Xie, Director General, Development and Reform Commission of Hunan Province



Agenda

19~21 OCTOBER 2016
Exhibition of Low Carbon Technologies

Museum of Changsha City
Advanced low carbon technology companies from PRC and other countries

DAY THREE - 21 OCTOBER 2016

Site visits (optional)
Venues include Planning Exhibition Hall of Hunan Xiangjiang New Area, BYD Auto Manufacturing Base, Changsha Maglev Train, and Broad Group. Participants of site visits shall gather at the lobby at 7:10 on October 21th.

Other Events

1: Parallel Exhibition on Low Carbon Technology

Time: October 19th-21st

Venue: Museum of Changsha City

2: Welcome Concert

Time: 20:00-21:00, October 19th

Venue: Changsha Concert Hall

3: Site Visit

Time: 7:20-13:00, October 21st

Meeting Place: Lobby of Changsha InterContinental Hotel & Resorts and Wanda Vista

Venues include Planning Exhibition Hall of Hunan Xiangjiang New Area, BYD Auto Manufacturing Base, Changsha Maglev Train, and Broad Group.