

ASIA CLEAN ENERGY FORUM 2019

PARTNERING FOR IMPACT

17-21 June 2019 | Manila



Deep Dive Workshop

Friday, 21 June 2019, 9:00 a.m. – 5:30 p.m.

Multifunction Hall 1

Electric Vehicles



Point of Contact:

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Background

2018 was a record year for electric vehicles (EVs): more than 2 million cars sold, highest sale in a single month (270,000), and an overall 72% growth over 2017 (beating the 60% growth recorded in 2016). These growth numbers shattered views of many sceptics that EVs will not be able to maintain strong market share growth.

Although the overall market share of EVs is less than 2.5%, the Bloomberg NEF forecasts that by 2040, there will be “559 million EVs on the road” and “55% of all new car sales and 33% of the global fleet will be electric” by 2040. Some argues, that despite the impressive growth—1 million in 2015, to 2 million in 2017 to over 3 million in 2018—it will take decades before half the global market will be EVs.

The Paris Declaration on Electro-Mobility and Climate Change and Call to Action, announced at COP21, expresses the ambition to exceed globally the threshold of 100 million electric cars and 400 million electric two-wheelers by 2030.

Today, Peoples Republic of China (PRC) has the largest electric car market and leading the world in EV adoption, and Norway has the largest market share of about 50%, the other developing countries has to do their part.

Objective

The objective of this exercise is beyond simply raising awareness of EV technology. The idea is to enable and engage participants and help them develop project ideas involving EVs, especially the policy makers who are exploring options for mitigation of climate change impact. India, Bangladesh, the Philippines, Nigeria, and

Pakistan are today leading mobile phone markets, which in the 1990s we presumed would be commanded by Australia, Germany, and Japan. The objective of this initiative is to start an electric car revolution at the bottom of the income pyramid in our DMCs which can trigger faster and wider market adoption side by side as the developed world brings in the Tesla, Chevy Volt or the Nissan Leaf at the top of the pyramid.

Benefits to ADB:

Under strategy 2030, at least 75% of the number of ADB projects will support climate change mitigation and adaptation by 2030 and promote gender equality. Electric vehicle adoption as a new technology creates opportunity of both targeting climate change and gender equality.

Widespread vehicle electrification could dramatically reduce carbon pollution from transportation and help the development member countries to achieve their climate targets

Benefits to ACEF Participants:

Understand the EV revolution and its role in:

- Reducing emissions, reduce noise pollution and improve air quality;
- Improve energy security in oil importing countries;
- Opportunities for new investment and develop new businesses;
- Invest in battery assembly or manufacturing;
- Establish EV retrofitting industry
- Sustainable tourism.

Indicative Agenda

09:00 a.m. – 10:30 a.m. **Debunking EV Myths**

This will be the first of the four sessions, in a panel discussion format with 3-5 expert panelists, highlight will be technology experience without focusing on the specific country issues.

The objective of the session is to address the common concerns and questions by the panelists in an open discussion format.

Panelists:

Early EV adopters and other EV experts

(to be finalized)

(each panelist may use 2-3 slides (and 5 min max))

10:30 a.m. – 11:00 a.m.

EV Rally (pick your favorite EV and take part in a virtual rally)

During the coffee break participants will be asked to pick one of 10 EVs in this virtual rally. The “winning” team of participants will be announced after lunch.

11:00 a.m. – 12:30 p.m. **The transformational power of EVs**

This session will discuss the impact of EVs on today’s energy sector, climate change mitigation, use of oil, and everyday life.

Participants will learn impact stories from cities and countries that are transforming their world and their vulnerabilities through large scale EV use. The session will highlight the impact EVs are causing in early adopter countries (like

PRC or Norway) or countries that have committed to large scale EV adoption by 2030.

09:00 a.m. – 05:30 p.m. **EV Technology Exhibition**
(set 5-6 stalls for the exhibitors drones, batteries, e-bikes, e-trikes, etc)

02:00 p.m. – 03:30 p.m. **Business Opportunities in EV**

We will hear from startups, equity investors, and OEM manufacturers.

Session expects to cover:

- EV retrofit;
- EV charging (including solar and mobile charging);
- EV leasing;
- EV fleet management;
- Battery recycling;
- Battery assembly and second life batteries.

04:00 p.m. – 5:30 p.m. **EVs and future**

This session will allow the participant to enter the future of EV and allow all to share their vision for 2030 and beyond. Scenario will be based on current trends and policy commitments.

Panelists will help participants portray a collective picture for the world of 2030— with at least 50% new EVs worldwide and its impact on society.

Speakers

Moderator: Sohail Hasnie, Principal Energy Specialist, ADB

Supporting Activities

This event is organized by the Energy Division of the Central and West Asia Department of ADB with close coordination with the Sustainable Development and Climate Change Department of ADB.

The following will supplement the day long activities:

Physical EV exhibit

6 exhibition stalls will present EV technologies from around the world, with the industry experts to answer questions.

Some electric vehicles: e-bike, e-trike, BEV, e-Jeepney - may be on display for an Instagram photo competition at the main ADB Foyer.

Social Media:

All sessions will be broadcast through ADB Corporate Facebook Live. Some of the contents may also be used as a podcast later.

A Twitter Wall and potentially an Instagram Photo competition for the exhibit may be included.

Youth and Women participants

Each session will be represented by young professionals and balanced gender participation.

Quality of Presentation

Presentation topic will be current, presentations will need to be precise, audience will be encouraged to interact and the whole workshop will be tightly moderated.

Physical EV exhibit

Some electric vehicles: e-bike, e-trike, BEV, e-Jeepney - may be on display for an Instagram photo competition at the main ADB Foyer.

If you want to be a panelist, have suggestions to improve the agenda, or want to be an exhibitor please contact mmassakbayeva.consultant@adb.org