



Electric Vehicle Initiative (EVI)

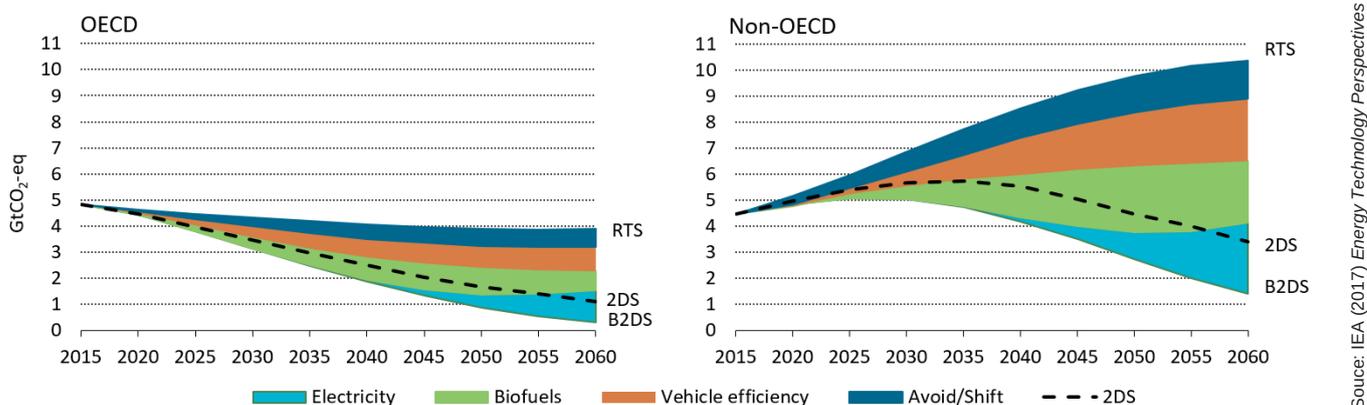
Accelerating the deployment of electric vehicles (EVs) worldwide

Goals

The Electric Vehicles Initiative (EVI) is a multi-government policy forum dedicated to conducting collaborative activities that support the design and implementation of EV deployment policies and programs.

Rationale for being included in the CEM

Electrifying the global vehicle fleet is a key component of the CEM's goal of enhancing the use of clean energy. Vehicle electrification makes transportation more energy efficient, reduces greenhouse gas emissions and oil dependence, and improves local air quality. Electric vehicle charging could also act as distributed energy storage in support of integrating renewable energy into grid and off-grid energy systems.



Source: IEA (2017) Energy Technology Perspectives

The graph shows the contribution of various emission reduction strategies in the transport sector that would allow the reduction of GHG emissions from the levels in the IEA Reference Technology Scenario (RTS) to the levels consistent with the 2°C degrees scenario (2DS) and levels consistent below 2°C degrees scenario (B2DS) in OECD and non-OECD countries between 2015 and 2060. Electrification of transport is one of the key strategies.

Key accomplishments

- Strengthening the understanding of the opportunities offered by electric mobility to meet multiple policy goals.
- Improving awareness of the drivers of EV deployment, supporting country-level policy and regulatory implementation.
- Outlining a vision for the future development of electric mobility, building consensus on major policy goals, as demonstrated by the EV30@30 Campaign, and benchmarking success against them.
- Bolstering policy action and improving the visibility of national policy efforts in publications such as the Global EV Outlook series.
- Mobilizing targeted policy action and strengthening the impact of specific measures. For example, the Government fleet declaration, signed in November 2016 by eight countries – Canada, China, France, Japan, Norway, Sweden, the United Kingdom and the United States of America – strengthened the impact of national pledges to increase the share of electric vehicles in their government fleets
- Accelerating the geographical coverage of policy deployment on electric mobility through capacity building and sharing knowledge and experiences, accelerating learning.

Lead CEM Member(s)



Canada China United States*

CEM Member Participant(s)



Finland France Germany India Japan Mexico Netherlands Norway Sweden United Kingdom

*U.S. leadership is under review.

Work organisation and structure of the initiative

- Thought leadership studies such as the Global EV Outlook series, Nordic EV Outlook 2018, and the EV City Casebook.
- Regular advisory board meetings, providing networking opportunities.
- Fostering information exchange workshops, meeting and events amongst participating countries, observers and partners, including private sector stakeholders.
- Cooperating with a wide range of partners, including the IEA Hybrid and Electric Vehicle Technology Collaboration Programme, private sector stakeholders, UN bodies (such as UN Environment, UNIDO and UN-Habitat), the Global Environment Facility, NGOs and foundations.
- Fostering information exchange through roundtables and other major events, primarily in conjunction with CEM meetings.
- Developing networking platforms (such as the Pilot City Programme) to facilitate exchanges and networking between relevant stakeholders also at the level of local administrations. A joint secretariat has been established between China Society of Automotive Engineers - Shanghai International Automobile City (CSAE-SIAC) and IEA to support municipal governments with the implementation challenges related to EVs, including urban planning, infrastructure and charging technology, mass transit, and mobility as a service.

Recent activities and deliverables since 2017

Since CEM8 in Beijing (2017), EVI has completed the following activities:

- Convened the fall 2017 EVI advisory board meeting in Stuttgart, Germany.
- Released the 2017 Global EV Outlook (GEVO).
- Convened a one-day knowledge-sharing workshop on the development of batteries for electric mobility (7 March 2018).
- Released and presented the Nordic EV Outlook (NEVO) with the Nordic Energy Research Council.

EVI also initiated or is in the process of completing, initiated work on:

- The Global EV Outlook 2018 publication, to be pre-launched at CEM9, and fully launched on 30 May in Japan.
- A major project aimed at facilitating policy adoption on electric mobility, working with the Global Environment Facility (GEF) and UN Environment, as well as other partners.
- The establishment of the Pilot City Programme (to be launched at CEM9 meeting) to be coordinated by a joint secretariat of CSAE-SIAC and IEA.

EVI is also exploring opportunities for greater private sector engagement, with encouraging signs demonstrated by increased participation of private sector stakeholders in the EVI advisory board meetings.

Forward-looking priorities and actions

- Continues to reach out to countries for new membership and private sector participation.
- Seeks to implement its vision to further develop EVI through an expanded program of work in 2018 and beyond, with continued annual financial support from participating countries, complementary funding from philanthropy, and co-funding from the private sector.
- Actively working to link its activities with the opportunities arising from the work being developed with GEF, UN Environment, and other partners, mainly focusing on developing and emerging economies.

Operating Agent(s) /
Coordinator(s)



International
Energy Agency (IEA)

安亭·上海国际汽车城

Anting Shanghai International Automobile City

CSAE-SIAC co-hosts with IEA the secretariat of the Pilot City Programme under the EVI



Funding Government(s)/
Organisation(s)

EVI Members.

Global and
In-Country Technical
Partner(s)

The EVI has a broad range of partners, including regional institutions, international development agencies, multilateral development banks, global organisations, non-governmental organisations and networks. For a full list please visit our webpage: <http://www.iea.org/topics/transport/evi/>



Scan to access the full
list of partners