

The logo for the International Energy Agency (IEA), consisting of the lowercase letters 'iea' in a bold, blue, sans-serif font.

## Total Cost of Ownership (TCO) Tool

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# The GEF-7 E-Mobility Programme



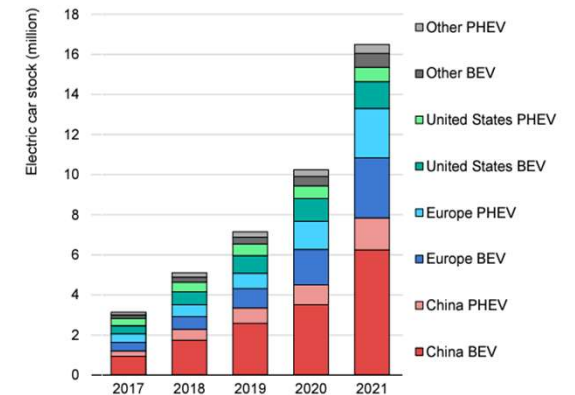
- **52 highly diverse participating countries**
- **Promoting electro-mobility across multiple use cases**
- **Wide variety of projects from policymaking to public buses**
- **Our current focus is Light-Duty Vehicles (WG1)**
- **Colleagues focus is grid integration (WG4)**



# Contribution of the tool

## Electro-mobility in emerging economies:

- Applicable to a wide range of users
- Learning opportunities relevant to all regions
- Understand the effect policies might have on costs
- Awareness the technology is improving



*Sales outside China, Europe, and the US are much slower (Source: GEVO 2022)*



*Cost and availability improvements increase the opportunity (Source: Tata Power)*

# Demonstration

# Total Cost of Ownership

## TCO tool

### Learning opportunity for users

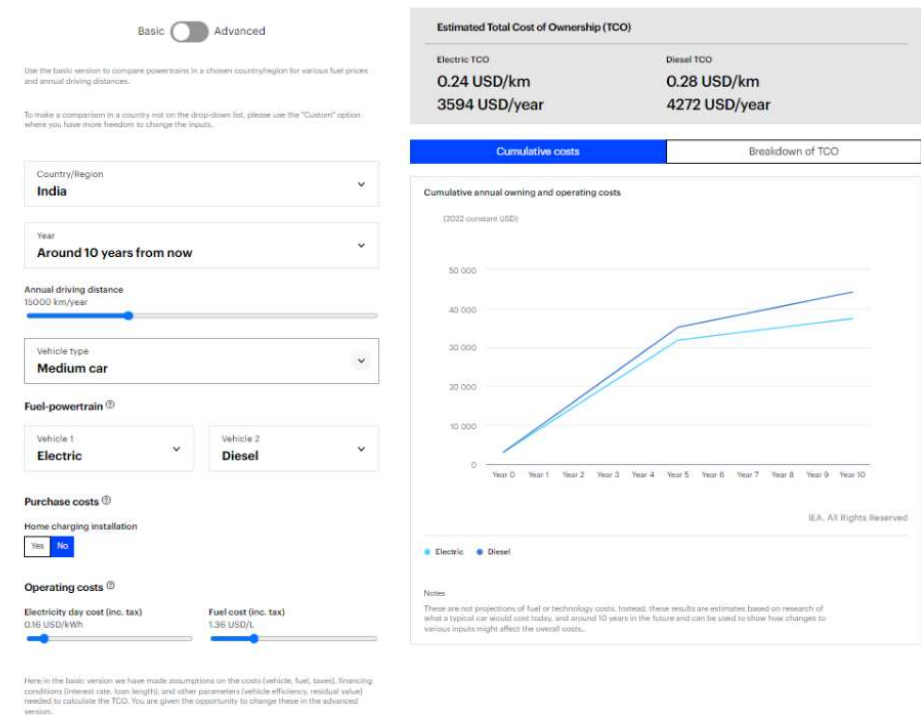
- **Understand key concepts** – Various powertrains, cumulative costs...
- **Trade-offs** – Upfront vs. operating costs, annual distance & marginal cost...
- **Policy relevant lessons** - Financing conditions, potential effect of subsidies...

***What changes can increase EV competitiveness?***

# Features of the tool

## Summary

- Policy and cost relevant lessons throughout
- Only variables most important to lessons and costs included
- Caters for both high-level and more detailed comparisons
- Real-time results so users can perform sensitivity analysis



*Tool is hosted for free and available to anyone from the IEA website*

iea



*Please contact us if you have any questions*

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***Thank you!***