

This is not an ADB material. The views expressed in this document are the views of the author/s and/or their organizations and do not necessarily reflect the views or policies of the Asian Development Bank, or its Board of Governors, or the governments they represent. ADB does not guarantee the accuracy and/or completeness of the material's contents, and accepts no responsibility for any direct or indirect consequence of their use or reliance, whether wholly or partially. Please feel free to contact the authors directly should you have queries.



Aligning Visions: Shaping a Global Tracker for Sustainable Mobility

Kathleen Dematera Contreras,
*Coordinator, Thematic Hubs, Urban Living Lab Center
Urban Electric
Mobility Initiative (UEMI)*



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101096253

ULLC Mobility Hub @ UEMI

Kathleen Dematera Contreras
*Coordinator, Thematic Hubs,
ULLC Mobility Hub @ UEMI*



Urban Electric Mobility Initiative (UEMI) was initiated by UN-Habitat and the SOLUTIONS project, and launched at the UN Climate Summit in September 2014 in New York. UEMI builds on international activities in the areas of sustainable urban development, energy, and mobility and focusing on the equal access provision of urban basic services in Latin America, Asia and Africa.



The Urban Living Lab Center (ULLC) is the first Collaborating Center of UN-Habitat launched in 2022 aimed to support the co-development of capacity building formats for local authorities, planners, practitioners and entrepreneurs. ULLC is co-hosted by Massachusetts Institute of Technology (MIT), Technical University Berlin (TUB) and the Wuppertal Institute, and regional partner universities and network partners in Europe, Asia, Africa, and the Americas. The Mobility Hub of the Urban Living Lab Center is hosted by UEMI.



URBAN LIVING LAB CENTER

Capacity building for the transformation of urban mobility, energy, and resource sectors



UN HABITAT
Collaborating Center




Goal of this session




Share initial outcomes of the **STREnGth_M project** and **align visions** for shaping a Global Tracker for Sustainable Mobility



Sustainable mobility for the world




The EU-funded STREnGth_M project will **accelerate global cooperation** in research on road transport to create sustainable mobility.



Specifically, the project will outline urgent needs and capacities in innovation. It **will link European, African, Asian and Latin American markets** related to electric vehicles within existing regional and national efforts, programmes or structures while overcoming barriers in international cooperation.

The founding of a **Multiplier Group** will boost the dissemination of results and engage stakeholders



Global progress and exchange to foster road transport research

Exchange

Facilitate exchange between Europe and emerging economies, particularly with those economies in Africa, Asia and Latin America

Cooperate

Foster the links between international research and development cooperation projects and programmes

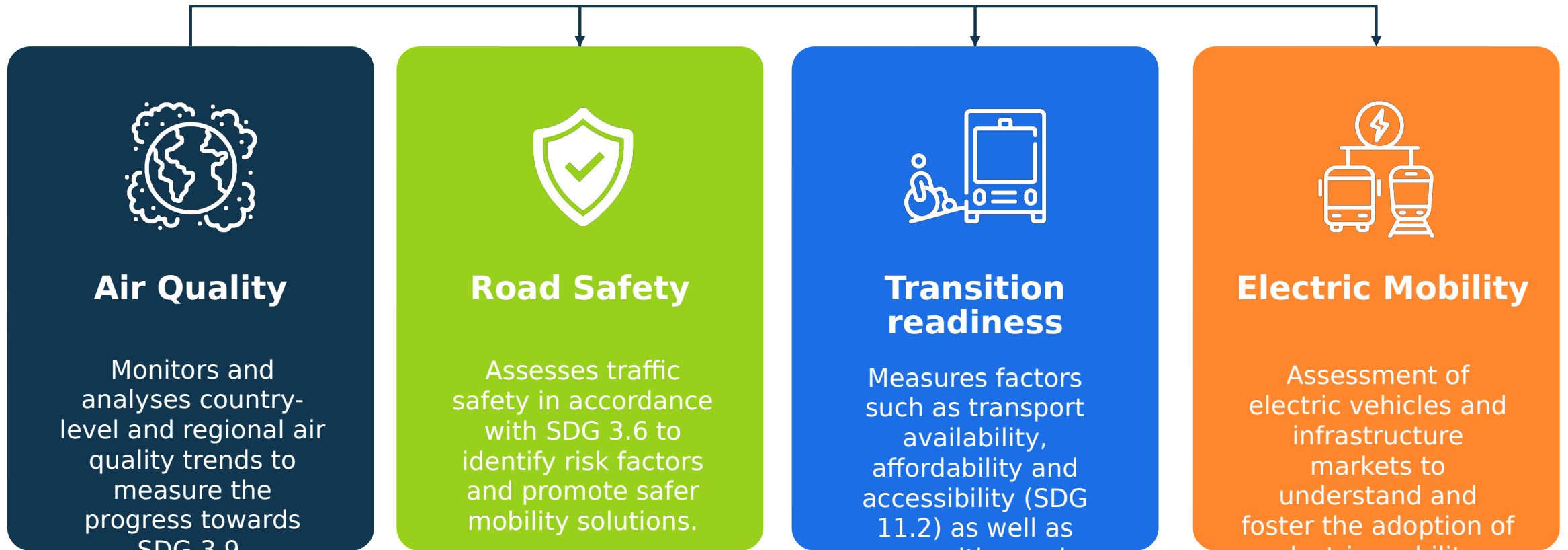
Contribute

Contribute to research and international cooperation agendas and roadmaps

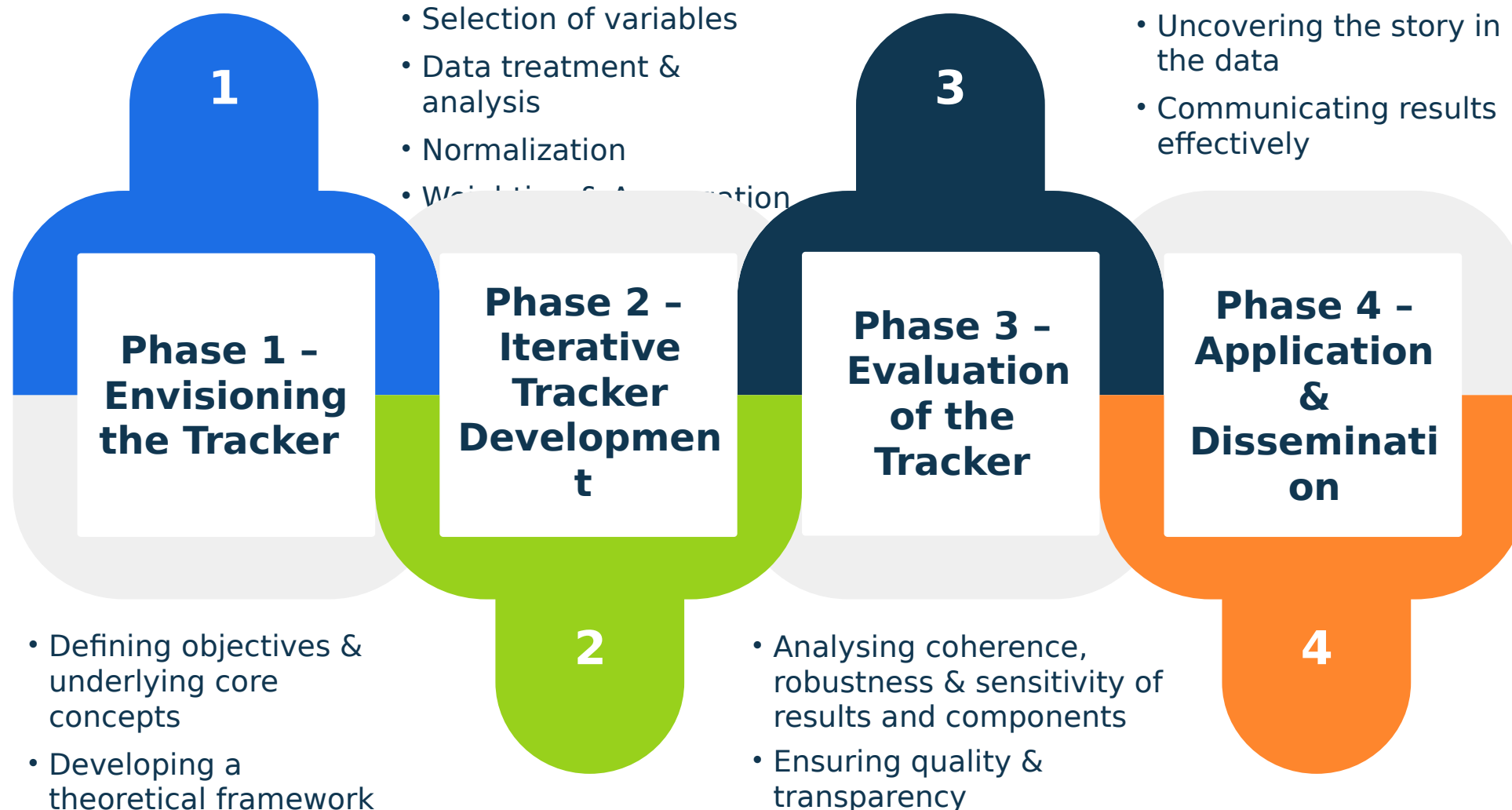
Track Progress

Track global progress and assess the impact on urban electric mobility, air quality and road safety

A framework for tracking global progress of electric and sustainable mobility



Iterative Tracker Development



Interactive session

Instructions

Go to
www.menti.com

Enter the code

2798
2426



Or use QR code

Join at menti.com use code 2798 2426

 Mentimeter

▶ Start Menti

0	0	0	0	0
Track progress of other countries towards their targets	Benchmark the policies of other countries	Follow the development of international e-mobility markets	Assess countries and regions for investment decisions	Others



Join at menti.com use code 2798 2426

Mentimeter

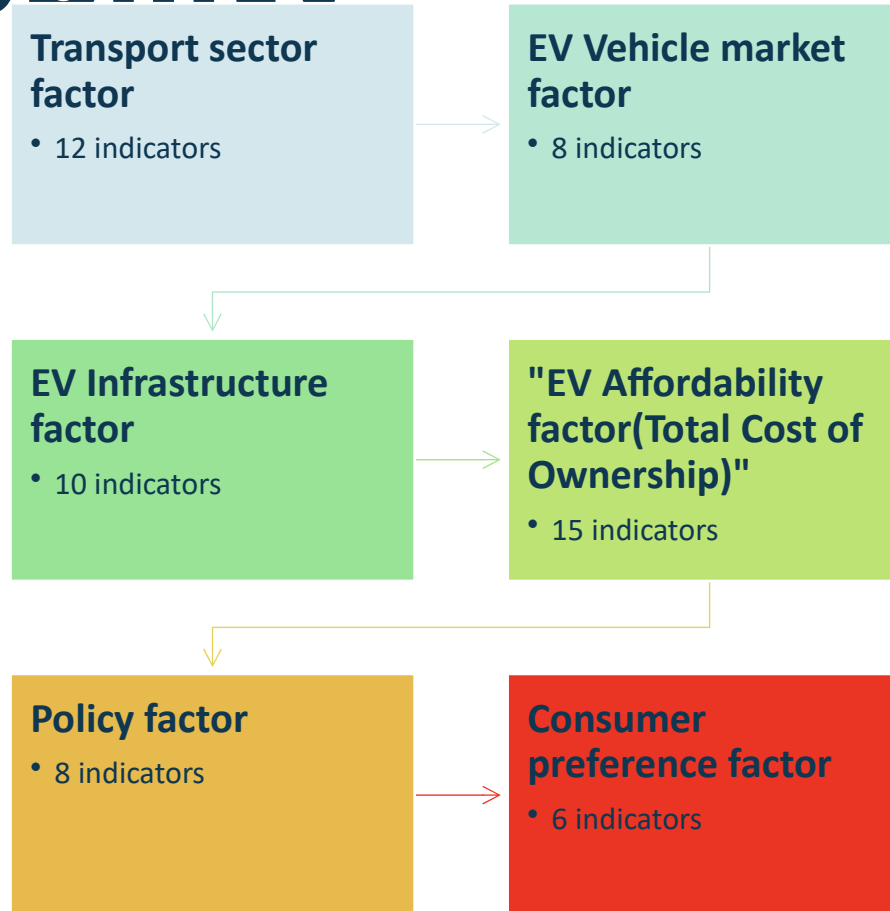
▶ Start Menti



Indicators for measuring global progress towards electric mobility

Factors to assess the EV and charging infrastructure market

Overall, 59 indicators



European Alternative Fuels Observatory (EAFO) Country Insights

Germany

Summary

Target tracker

Vehicles and fleet

Infrastructure

Incentives & legislation

Useful information

Summary

Population

83,155,031

Total land area

357,569 km²

Highway (km)

11,348 km

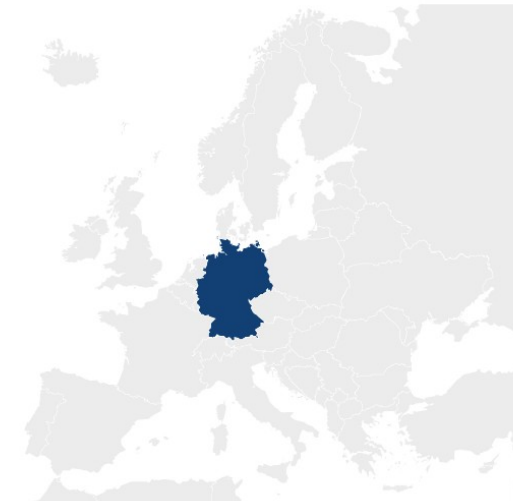
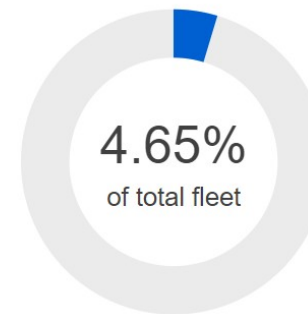
Total passenger cars

52,000,325

Alternative fuels passenger cars

2,418,219

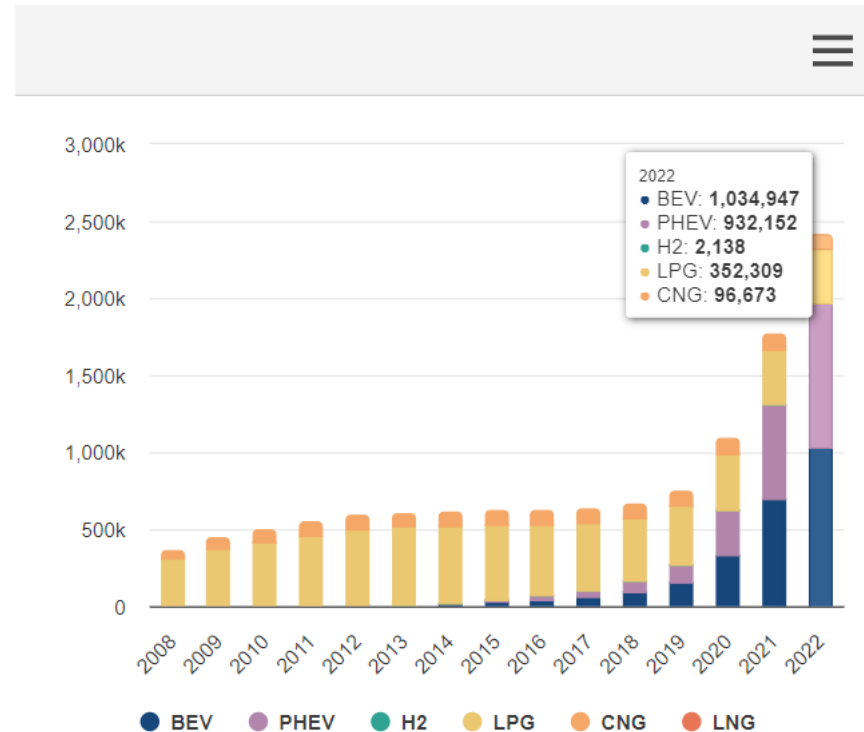
Alternative fuels vehicles share



EAFO vehicle registration and fleet overview

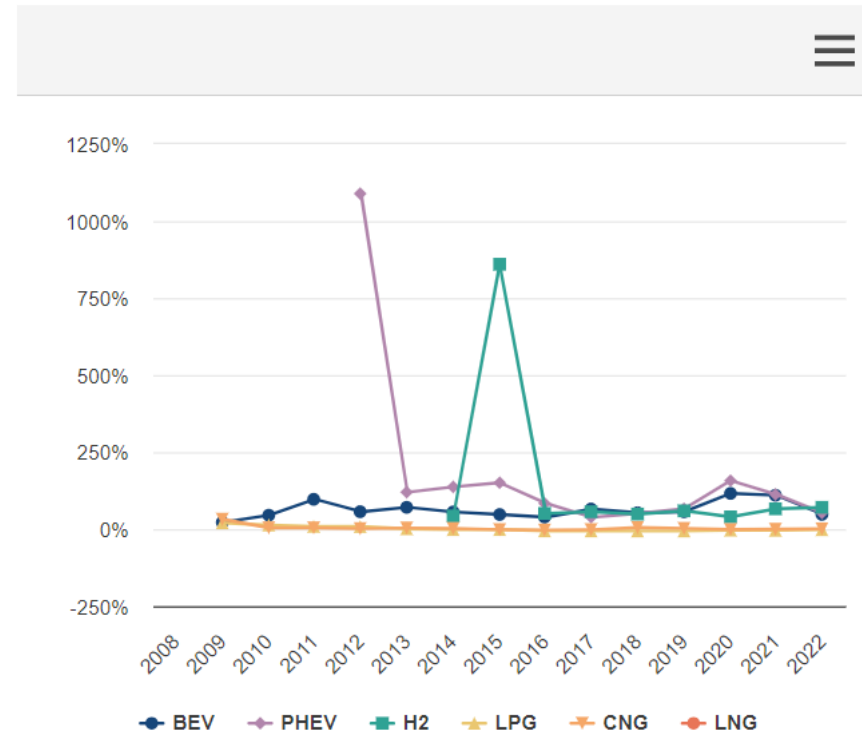
AF fleet (M1&N1)

Total number of alternative fuelled (BEV, PHEV, H2, LPG, CNG, LNG) passenger cars (M1) and vans (N1).



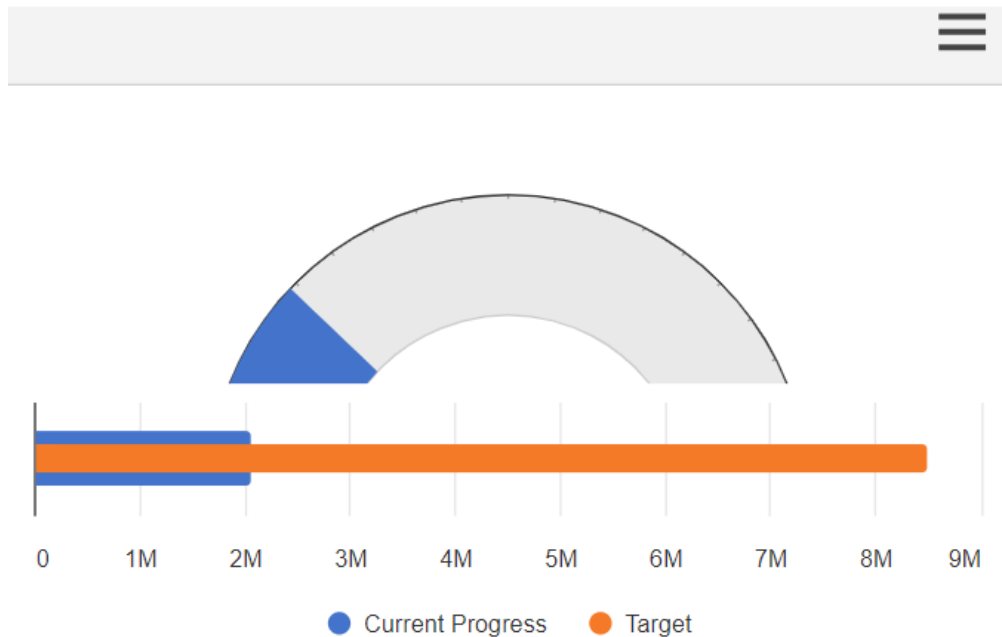
Growth rate AF fleet (M1&N1)

Year-over-year fleet growth rate of alternative fuelled (BEV, PHEV, H2, LPG, CNG, LNG) passenger cars (M1) and vans (N1).

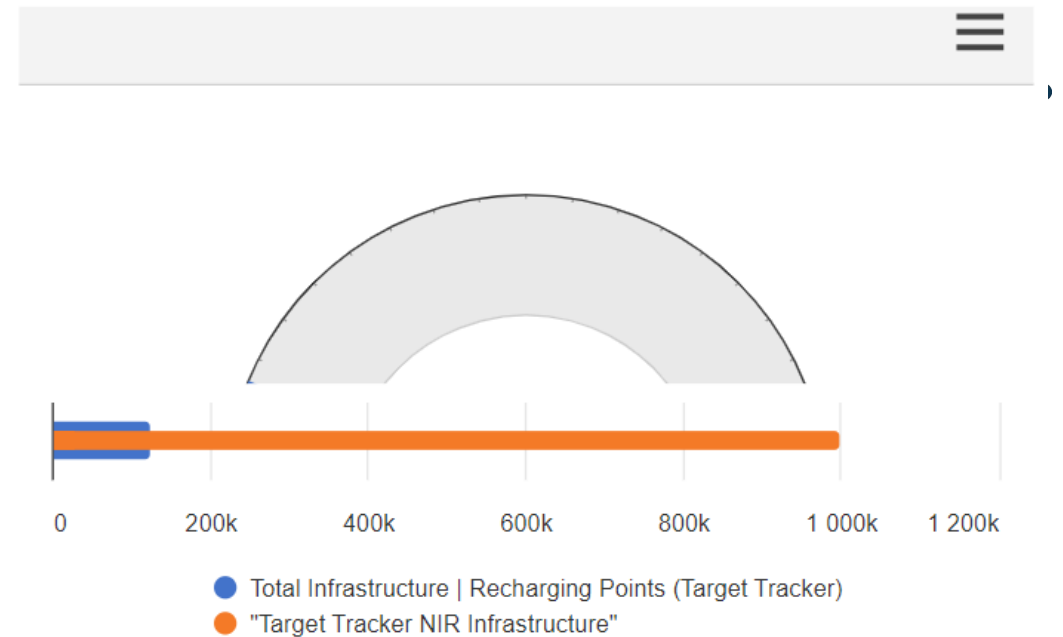


EAFO National Implementation Report Target Tracker

2030 NIR target BEV + PHEV fleet (M1 & N1 vehicle category)



2030 NIR target recharging infrastructure



Expected impact to create sustainable mobility

Track progress

- Extensive knowledge on the global progress of innovative road transport solutions
- Can contribute to the standardisation of electric and sustainable mobility data and the reduction of data silos
- Link international cooperation activities to global impact metrics (SDGs)

Exchange, Collaborate & Contribute

- Accelerate the worldwide drive towards sustainable mobility
- Maximize synergies, minimise overlaps and identify gaps for the international deployment of results
- Identify existing links between the EU and emerging economies from a structural and organisational perspective towards anchoring future research agendas
- Establish long-term partnerships with development cooperation actors and relevant transport research

Thank

 Kathleen Dematera Contreras

kathleen.contreras@emmet
you