



VORZEIGEREGION
ENERGIE

WIVAP&G
Energy Model Region



Wasserstoff in der Mobilität

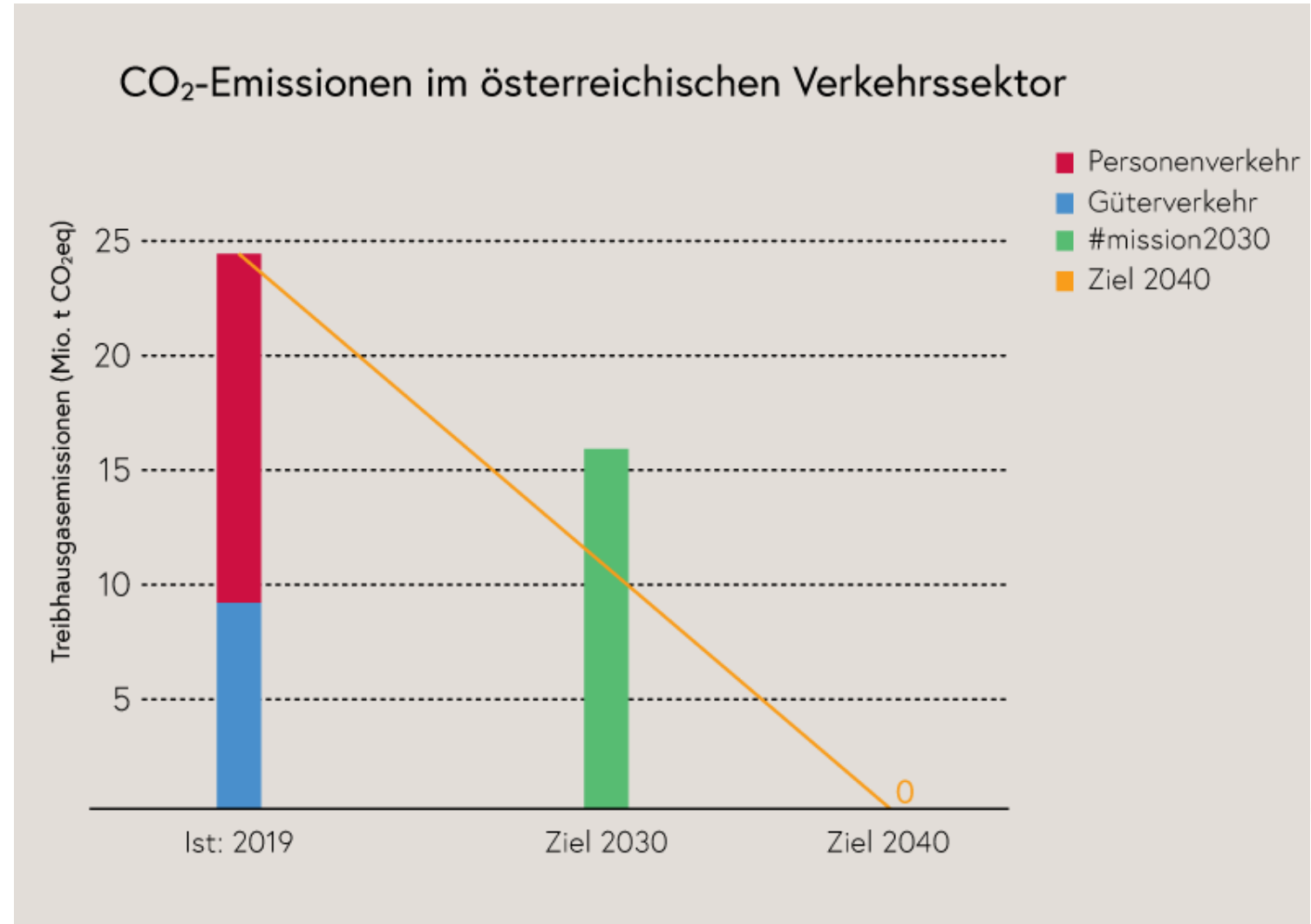
Erfahrungsaustausch Mobilität, Wien 28.11.2022



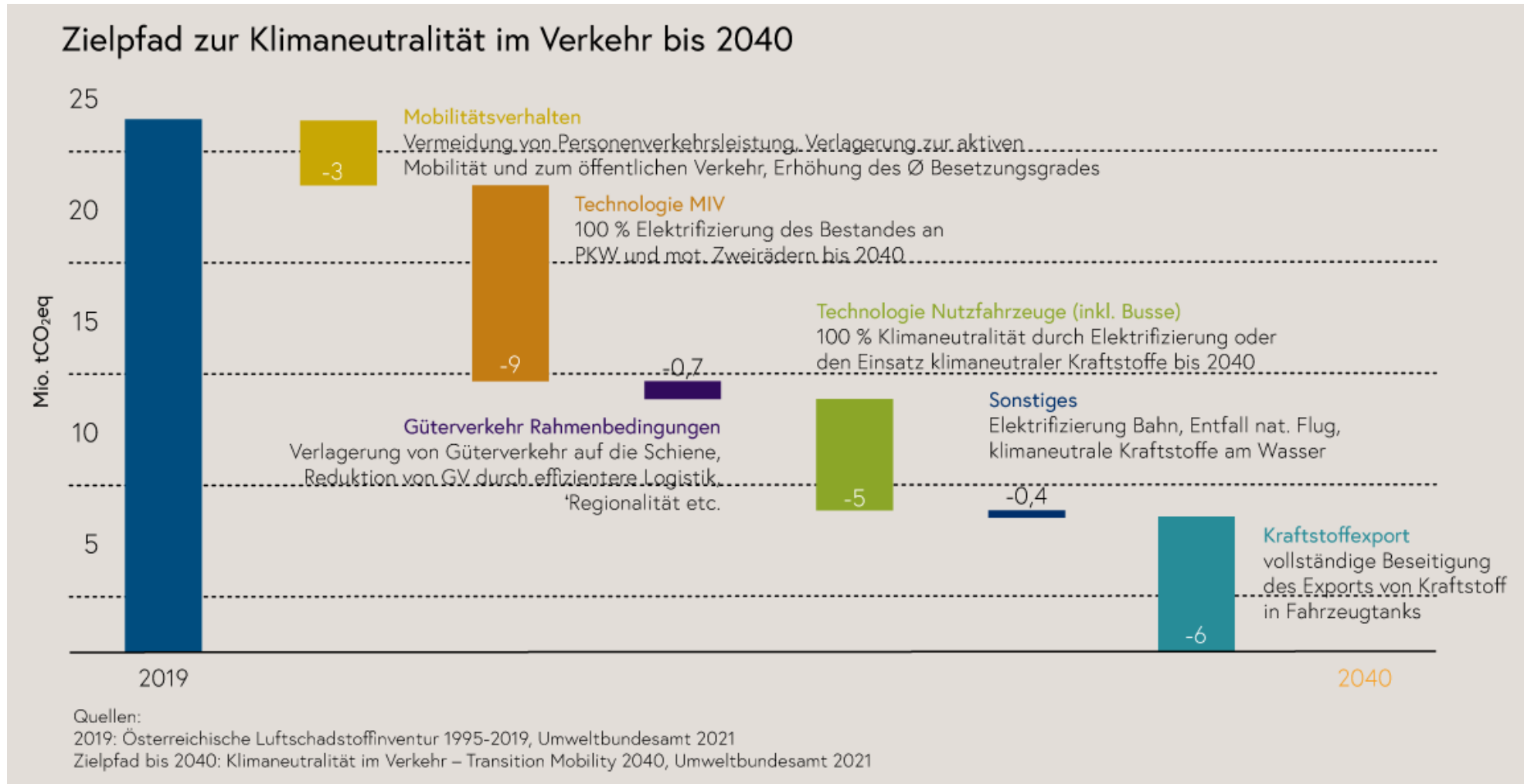
Ziel Klimaneutralität 2040

- **Mobilitätsmasterplan 2030 für Österreich**

Zeigt Wege auf, um Verkehr zu vermeiden, zu verlagern und zu verbessern



Zielpfad zur Klimaneutralität im Verkehr



Wasserstoff und Mobilität





Wasserstoff in der Mobilität

Weight
Tons

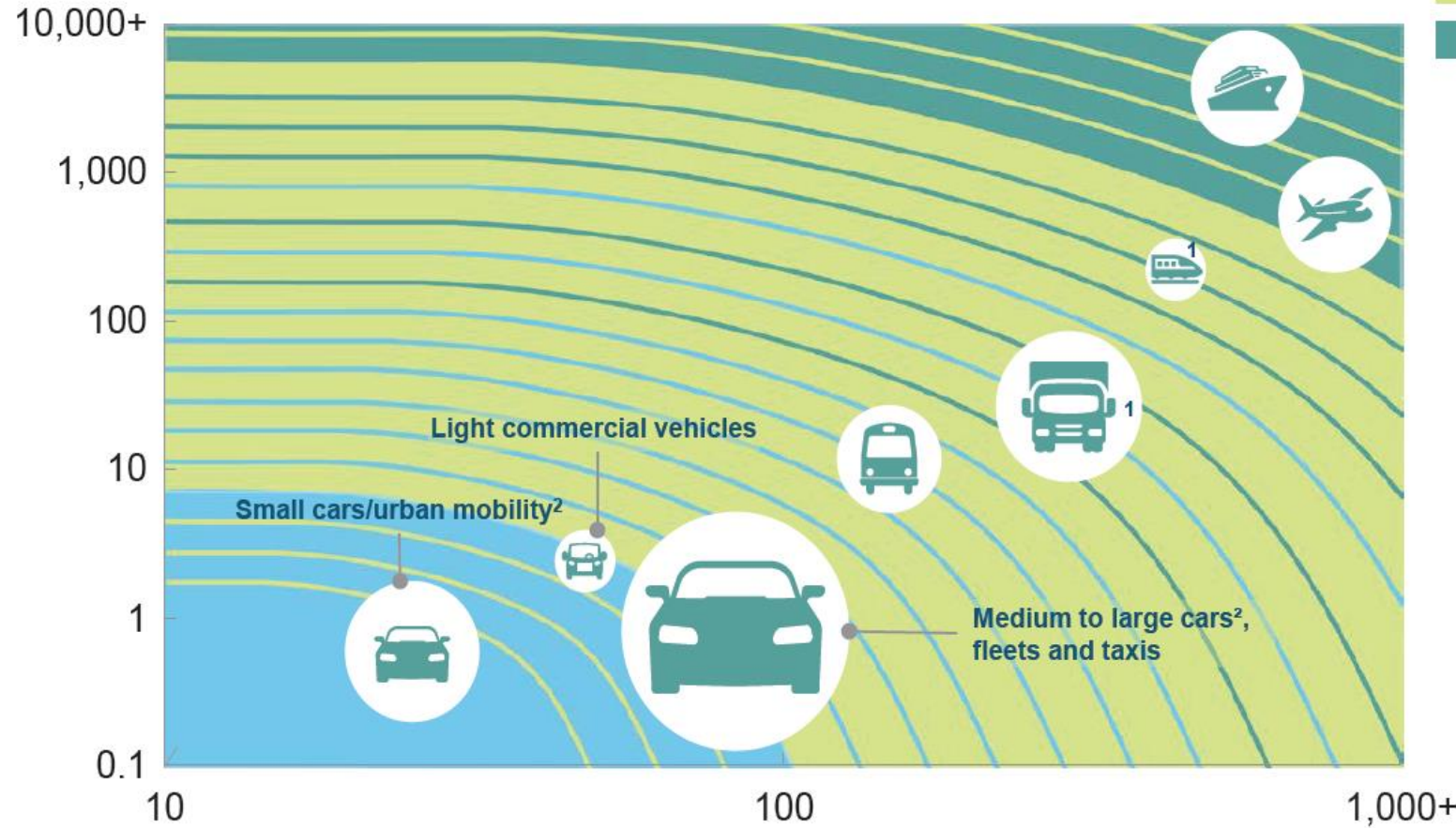
Bubble size representing the relative annual energy consumption of this vehicle type in 2013

- BEV
- FCEV
- Bio- and (H₂-based) synthetic fuels

Long Driving Range

Short Fueling Time

High Efficiency



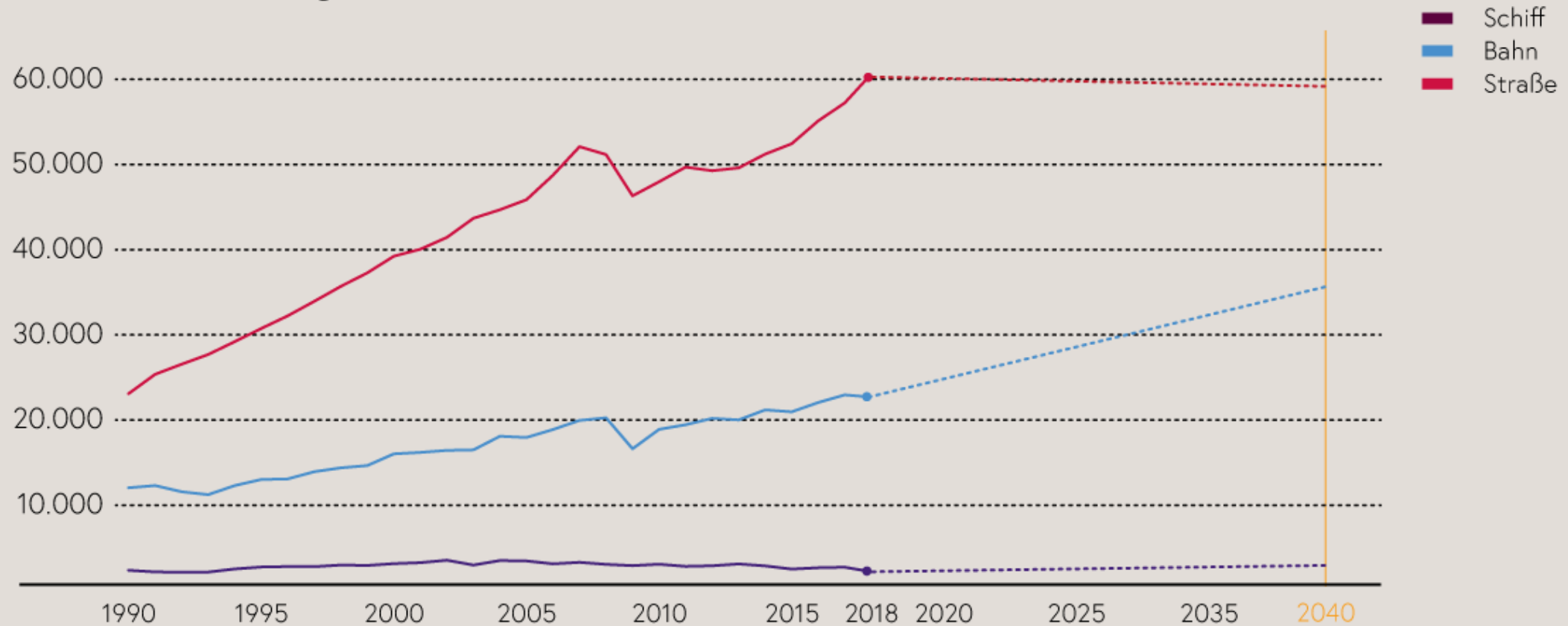
Source: Hydrogen Council 2017

Average mileage per day/trip

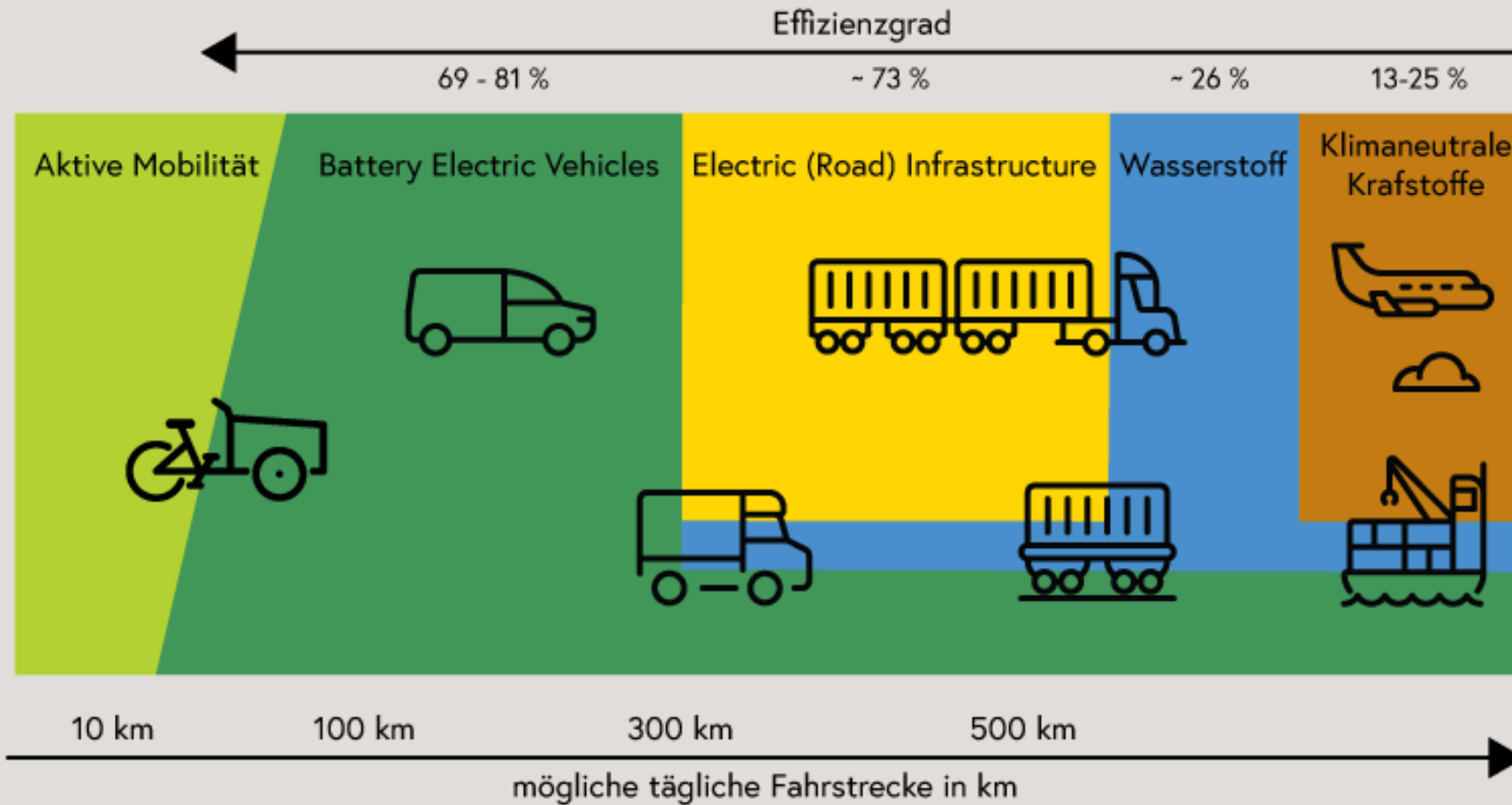
Güterverkehr



Güterverkehrsleistung in Millionen Tonnenkilometer



Antriebstechnologien Güterverkehr



Partner



Landesgesellschaft
Österreich





WIVA Projects in the Mobility Sector



HYTRUCK 

HYTRUCK

2018/07 – 2021/06

The main project goal of HyTruck is to develop, build, calibrate and validate a heavy-duty Fuel Cell System including its key technologies that fulfills the requirements of commercial vehicles regarding power, efficiency, reliability, and lifetime.



HyTrain

2018/05 – 2024/05

The R&D lighthouse project "HyTrain" aims to develop the world's first hydrogen-powered narrow-gauge train with corresponding hydrogen infrastructure (production, storage and refueling of green hydrogen) for use in the mobility sector.



FC4HD

2021/01 – 2023/12

FC4HD is pursuing a comprehensive systemic approach with its globally unique full FC heavy-duty truck, which makes Austrian zero-emission technologies internationally visible and, above all, opens up long-term growth prospects in the field of FC-powered (heavy-duty) vehicles.



H2meets H2O

2022/04 – 2023/

The aim of the project "H2 meets H2O" is to assess the feasibility and applicability of hydrogen supply along the Danube as logistics backbone from a technical, legal and socio-economic point of view.





Thank you for your attention!

