



CHAdEMO 2021

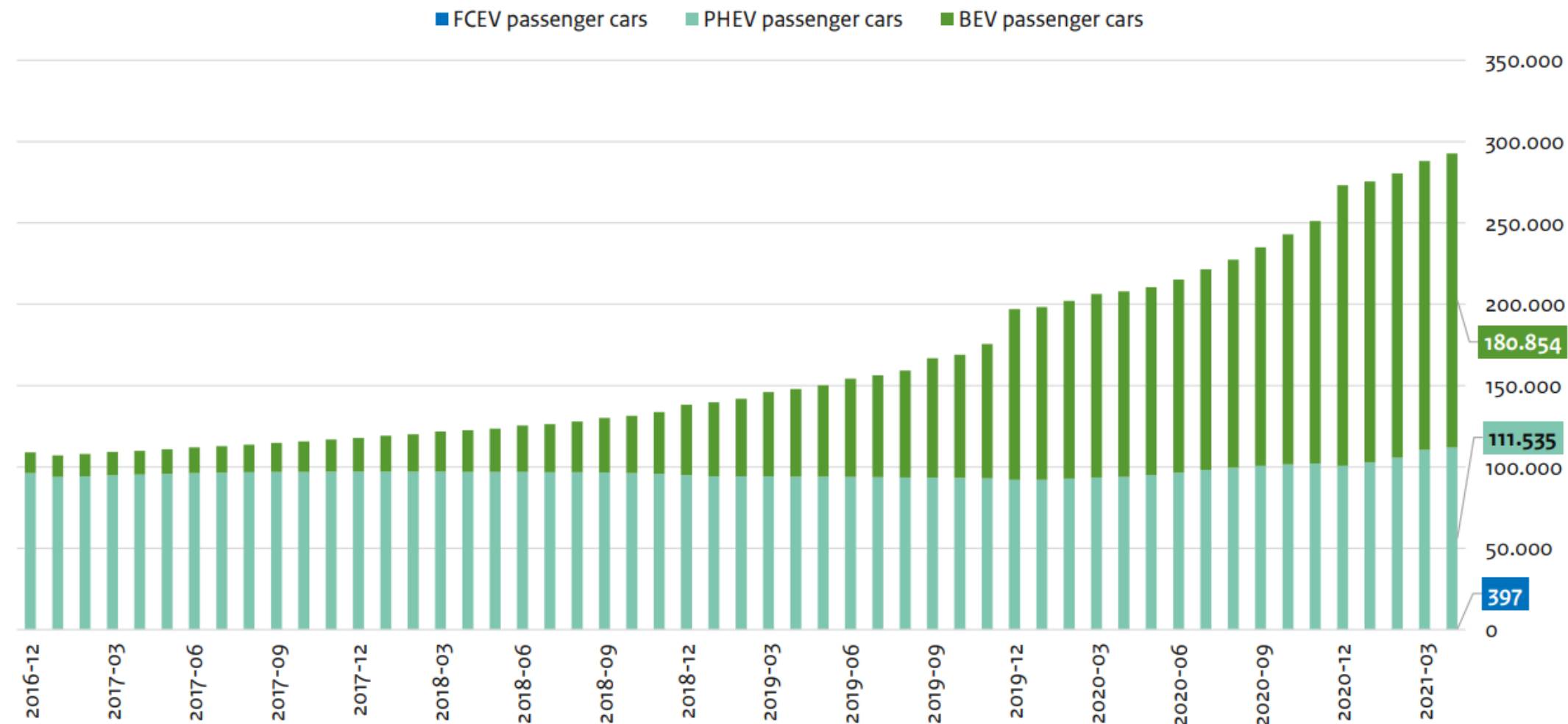
V2G, roll out and best practices



Fleet: Registered EV passenger cars

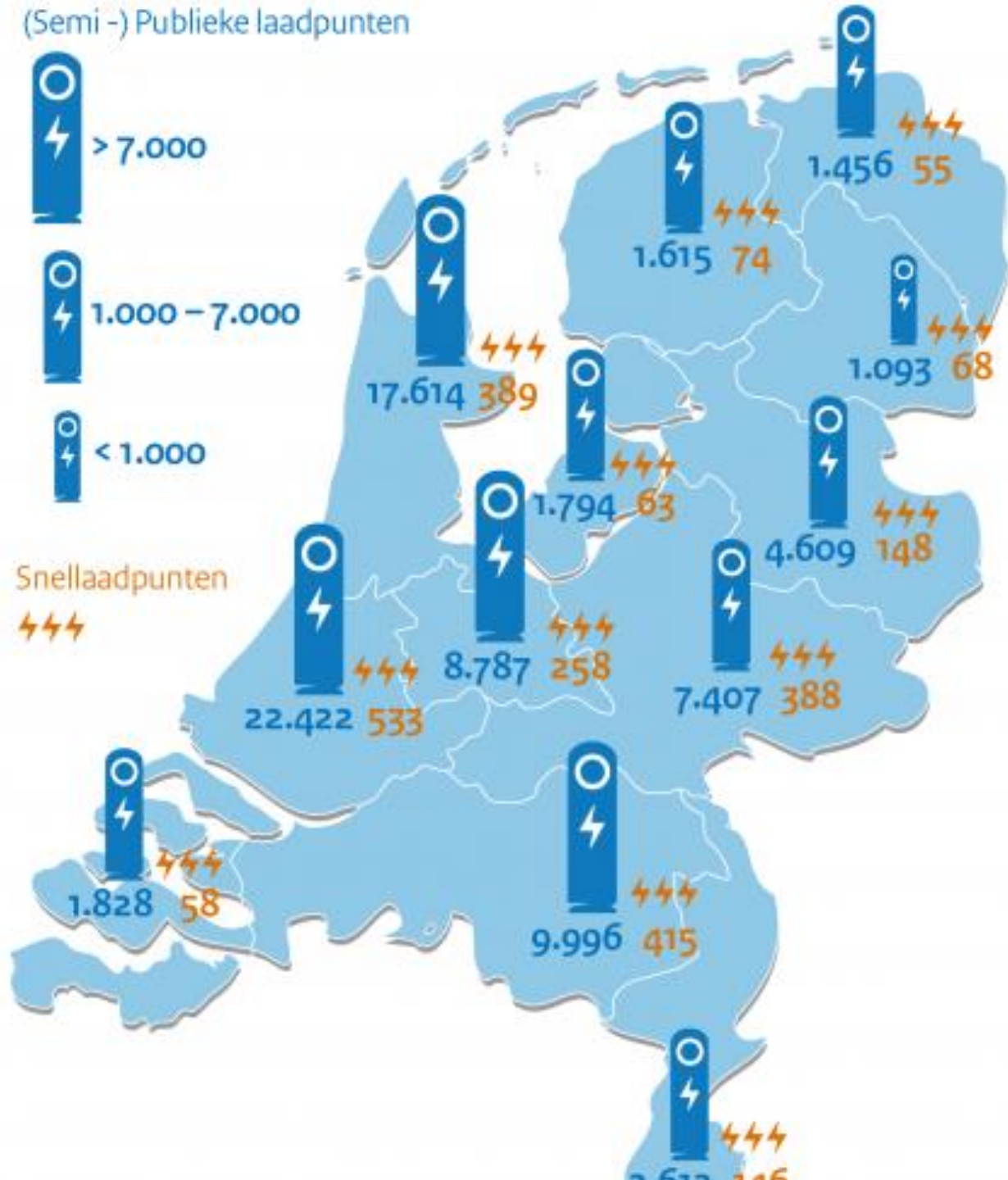
The graph below visualizes the amount of registered EV passenger cars (M1) in the Netherlands over time.

BEV = Battery Electric Vehicle, **FCEV** = Fuel Cell Electric Vehicle, **PHEV** = Plug-in Hybrid Electric Vehicle

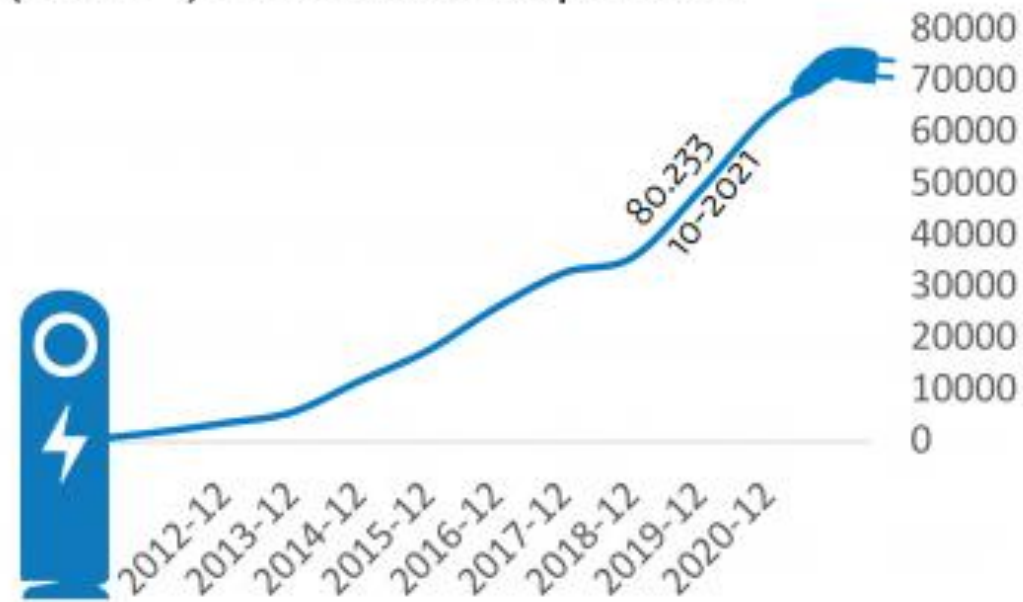


Source: Dutch Road Authority (RDW), edited by Netherlands Enterprise Agency (RVO.nl). The numbers represent the **vehicle fleet**, the cumulative registrations on balance. Stock-in-trade cars excluded. The increase is due to new registrations, used import and transfers from stock-in-trade to car owners. Decrease is due to export, demolition, theft, et cetera. PHEV excludes hybrid electric vehicles (HEV).

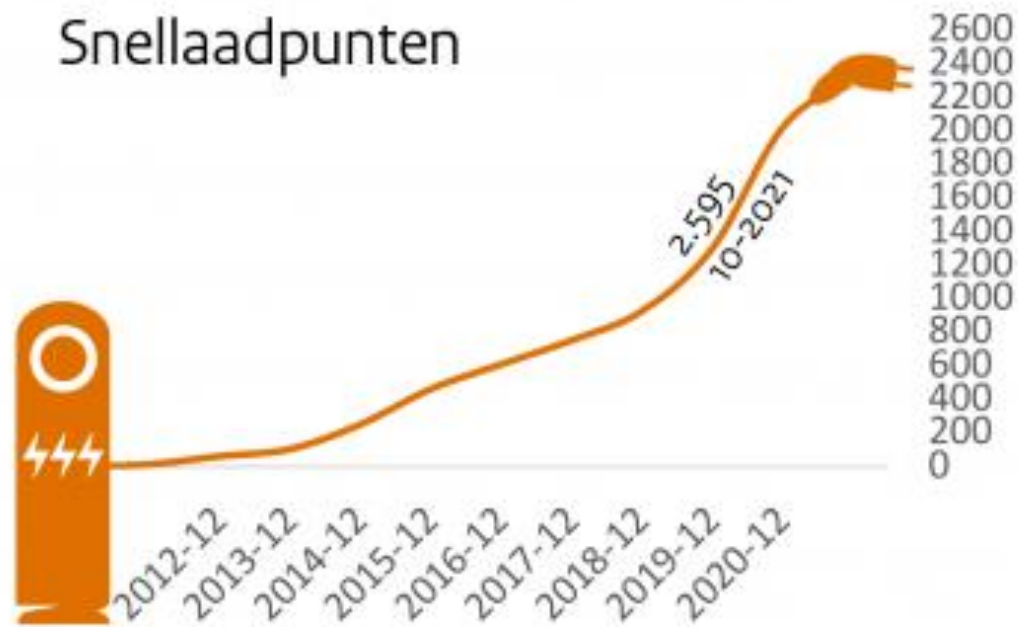
(Semi-) Publieke laadpunten



(Semi-) Publieke laadpunten



Snellaadpunten

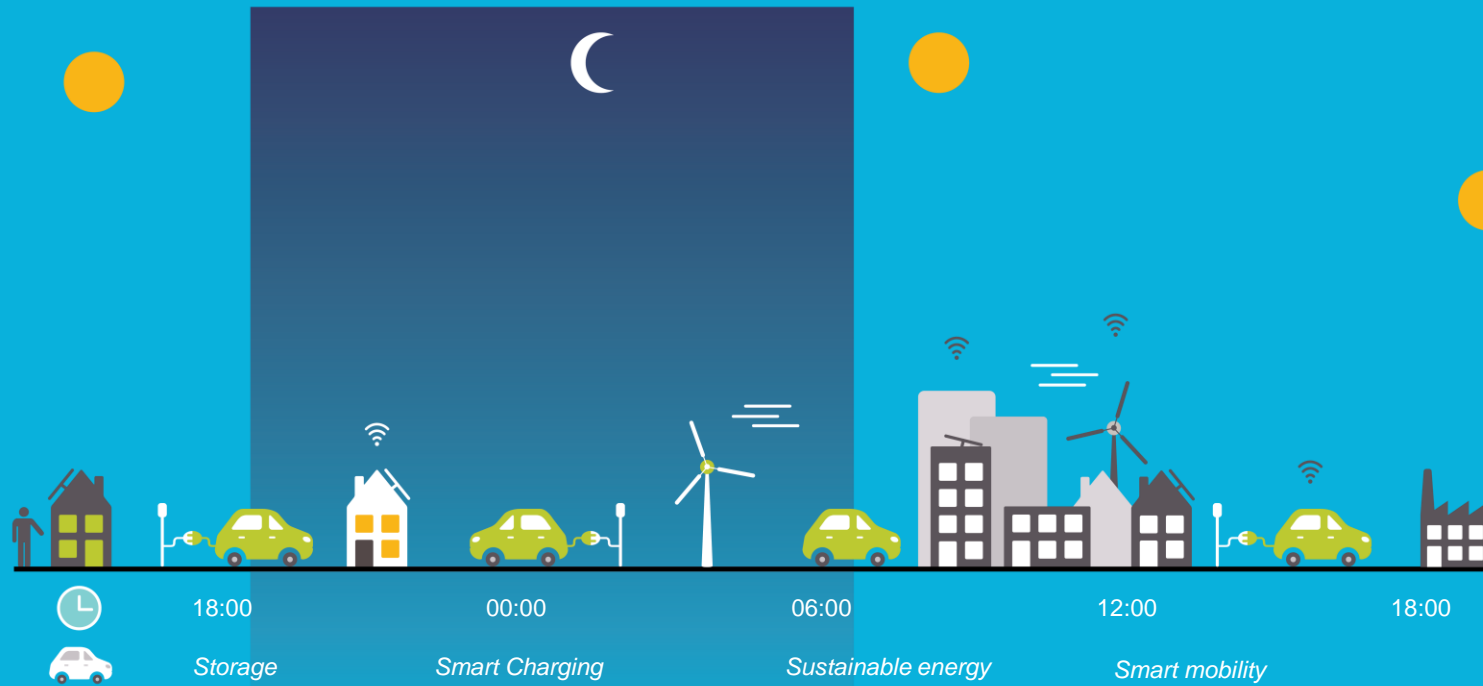


Electrification of e-mobility

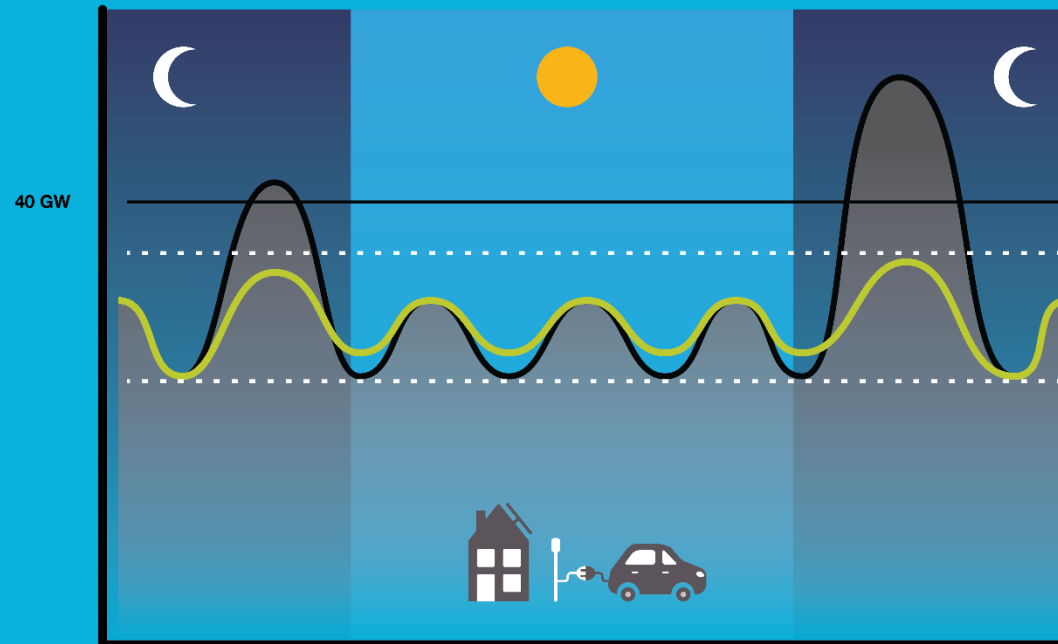




VISION



The effect of Smart Charging



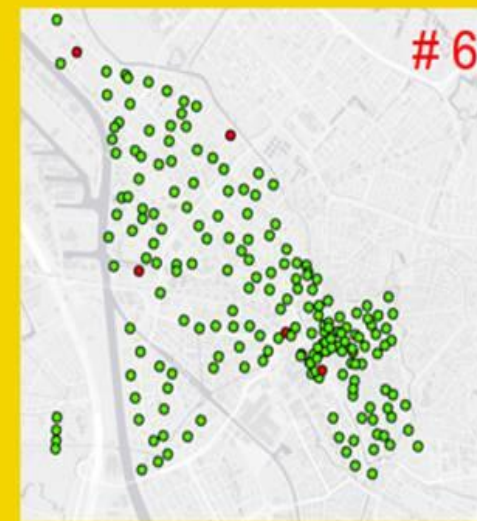
Referentiescenario
(Excl mobiliteit)

Dom laden

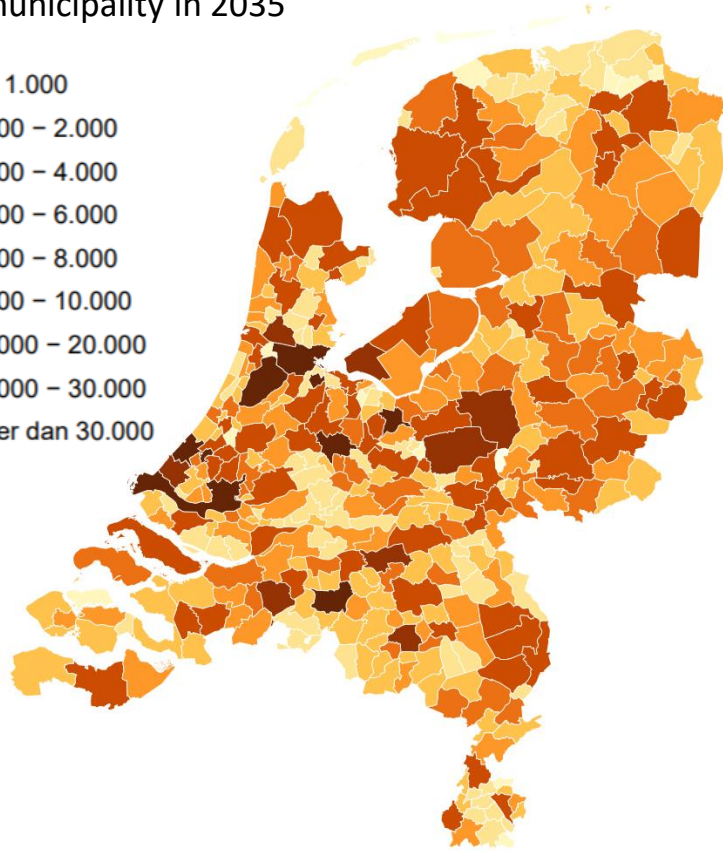
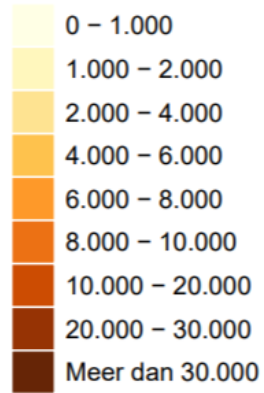
Slim laden

Super Slim
laden

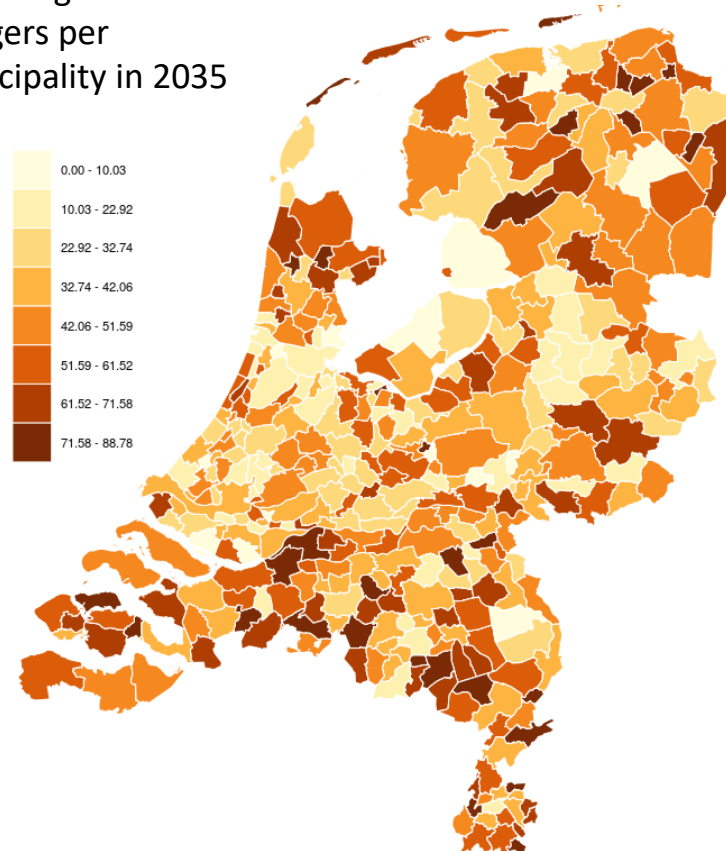
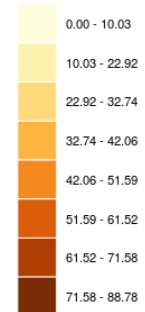
Super slim laden
met V2G



Number of EV's (mid scenario)
per municipality in 2035



Percentage of home
chargers per
municipality in 2035





IONIQ 5

WE DRIVE SOLAR



Standardisation



Research, development and testing

Elaadnl



AC/DC?

- Smart roll out, smart charging
- Interoperability
- Open markets:
Research & development

