

The background of the slide is a photograph of a white wind turbine on a hillside with yellow flowers in the foreground. A white electric car is parked on a road in the lower part of the image. Several yellow circular icons are overlaid on the image, connected by dashed white lines. The icons include a wind turbine, a sun, a magnifying glass with a lightning bolt, a car, and a lightning bolt.

Policies and regulations

Enabling innovation for urban e-mobility in city infrastructure



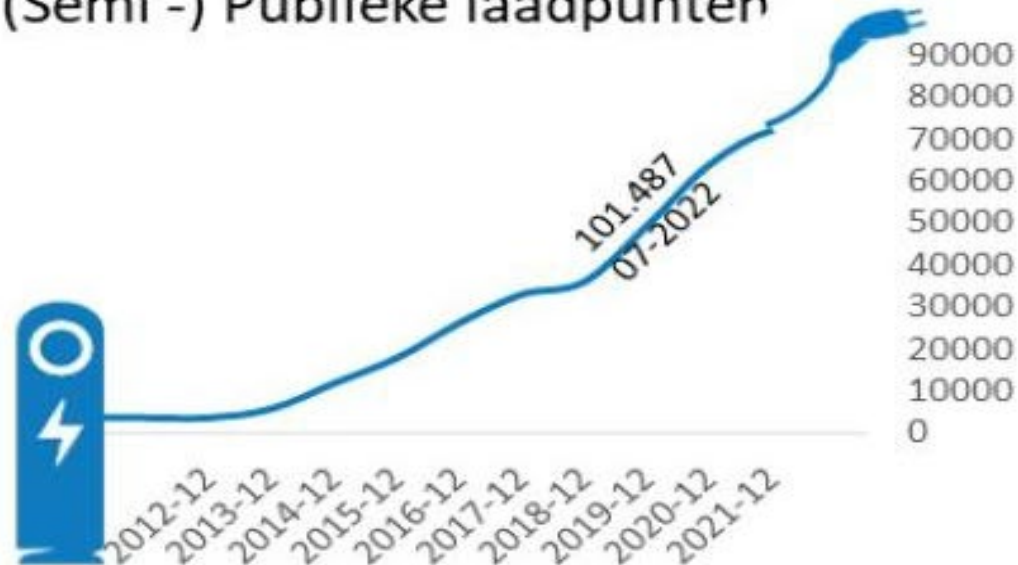
MILIEUZONE

Aantallen laadpunten

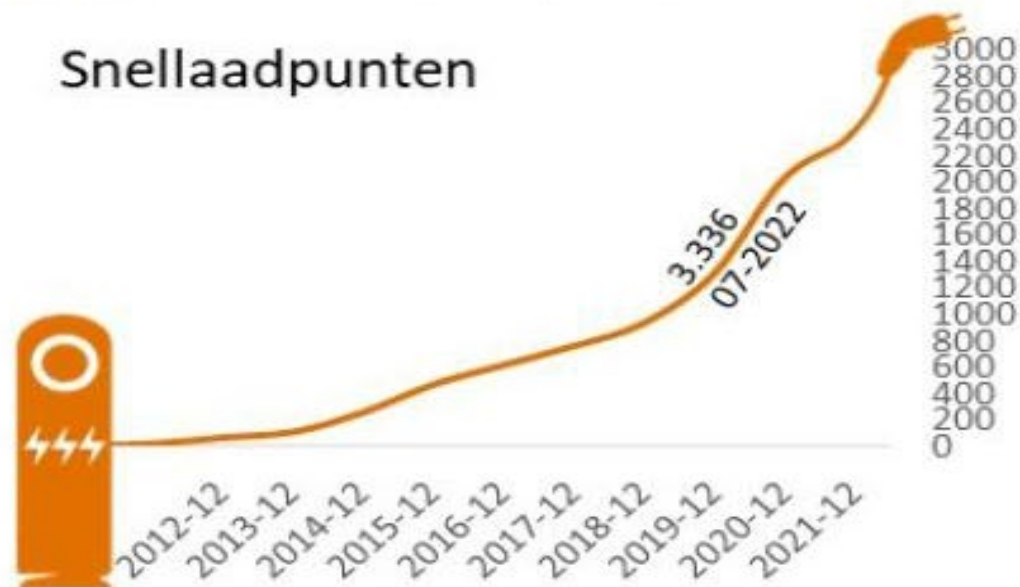
(Semi -) Publieke laadpunten



(Semi -) Publieke laadpunten



Snellaadpunten





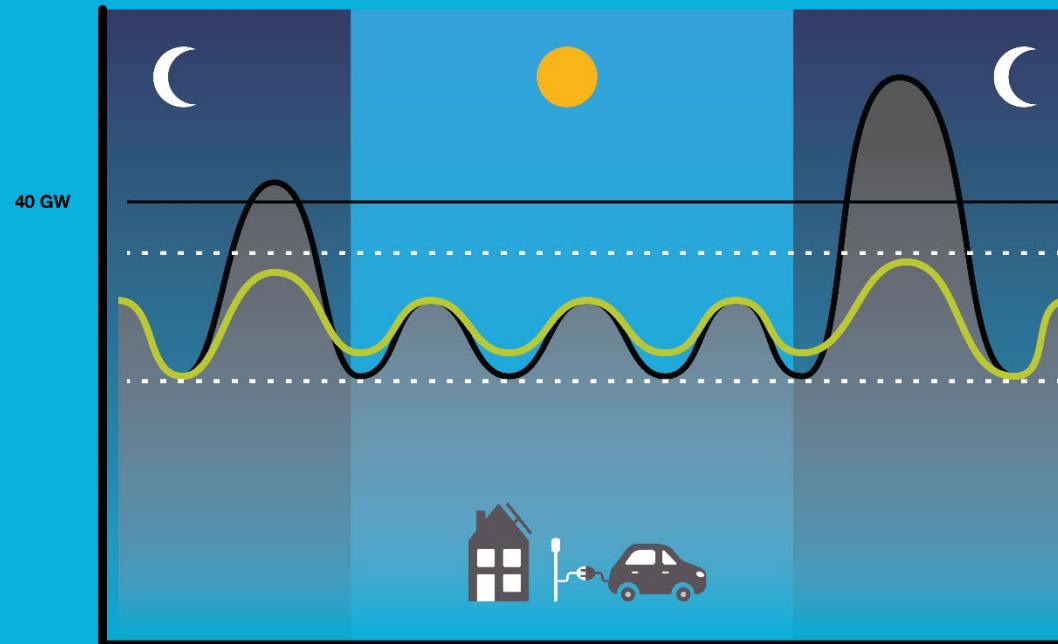
Electrification of e-mobility

24% roofs has solar
+50% / year
Gas heatpumps





The effect of Smart Charging



Who is in charge of smart charging?





Standardisation



Open standards and protocols

For a flourishing open EV- market: Let everyone participate

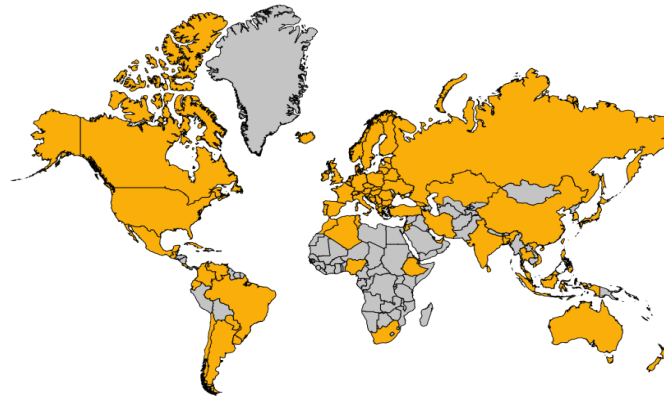
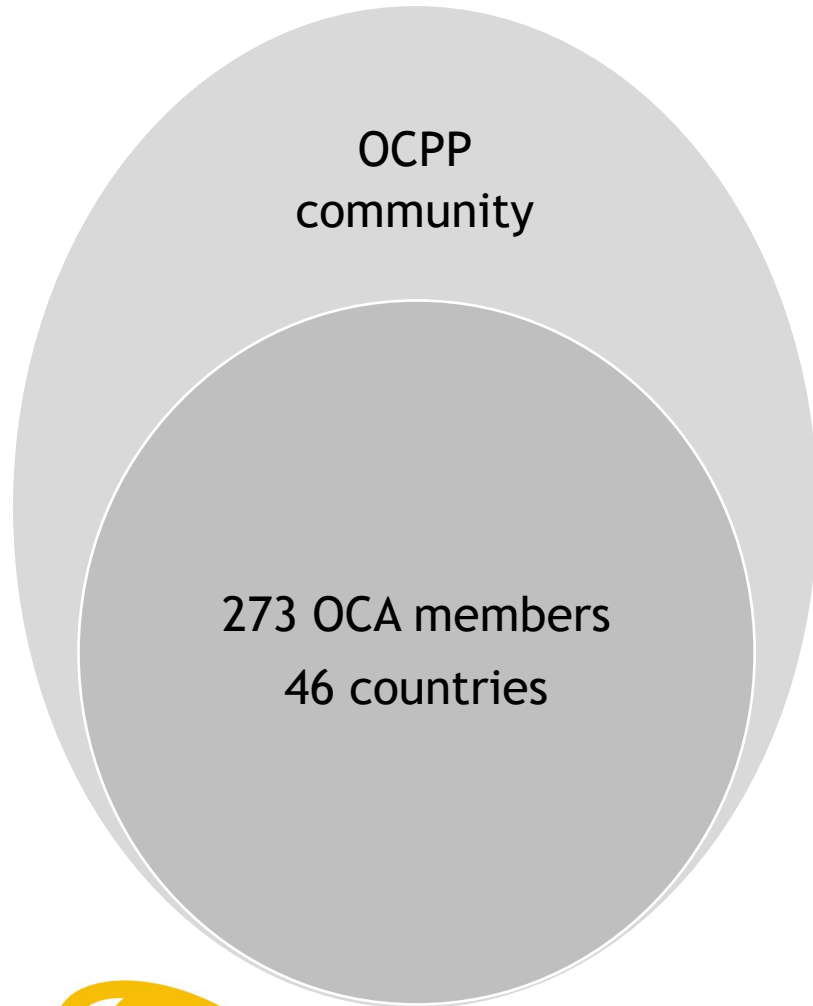
- We need market growth
- It will provide opportunities for many businesses
- Consumers deserve choice, innovation, price competition

Towards an open market, level playing field

Market rules should be deployed:

- Balance in the market
- Create fair and reasonable conditions
- Clear rules stimulate the needed innovation, improvement of service and price pressure.
- Market rules prevent a lock out of small companies and start ups, or a lock in of consumers

The OCPP community - sharing & collaborating



- OCPP spec downloads to
- 154 countries
 - >72.000 IP addresses

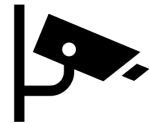
~35 companies actively involved in writing the spec



OCPP 2.0 security extensions



Secure firmware updates



Security logging and event notification



Secure authentication
(key management for client side certificates)



Secure communication (TLS).

Research, develop and test

Elaadnl





Thank you!

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