



Interreg
Vlaanderen-Nederland
Europees Fonds voor Regionale Ontwikkeling



**Deel
de Zon**



**Alex van der
Woerd
Buurauto**

**DeeldeZon
project results**

Battery on Wheels



VERVOERSBANK
Brengt je in beweging



Interreg
Vlaanderen-Nederland
Europees Fonds voor Regionale Ontwikkeling

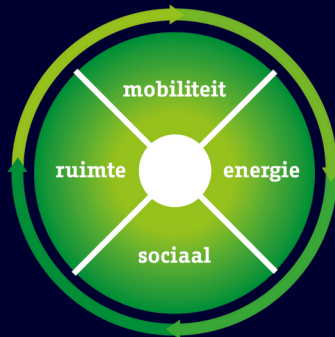


**Deel
de Zon**

V2G and shared cars – utility function

Why?

- A car is to drive with?
- Battery will always be empty when you want to drive the car
- Battery wear is increasing The car is gone when you want to return electricity.



That's why!

- Even a shared car is standing still for much longer than it is driving
- A shared car has an agenda
- The required electricity can be predicted on the basis of the reservation length
- Charging and discharging between 30 and 70% is fitness for the battery
- In an emergency, the V2G pole can overrule reservation for security of supply

With 10,000 EVs you have 100 MW of flexible capacity available for immediate use: enough for a country like the Netherlands



Interreg
Vlaanderen-Nederland
Europees Fonds voor Regionale Ontwikkeling



**Deel
de Zon**