



V2G ARBEJDSGRUPPE  
MØDE 13, 10. MARTS 2026

# PROGRAM

Før frokost

09:00 – Velkomst + sikkerhed

09:10 – Bordet rundt

09:30 – B2B guide – godkendelse

09:45 – Pause

09:55 – Det internationale spor

10:10 – Kommissionsrapporten 1

10:55 – Pause

11:15 – V2G v. EON/BMW

12:00 – Frokost

# PROGRAM

Efter frokost

12:45 – Kommissionsrapporten 2

13:30 – Pause

13:39 – Coalition of the Willing  
rapporter

14:24 – Pause m. Brunsviger

14:38 – B2B guide – Indhold til  
forelæggelse

15:08 – Opsamling

# SIKKERHED

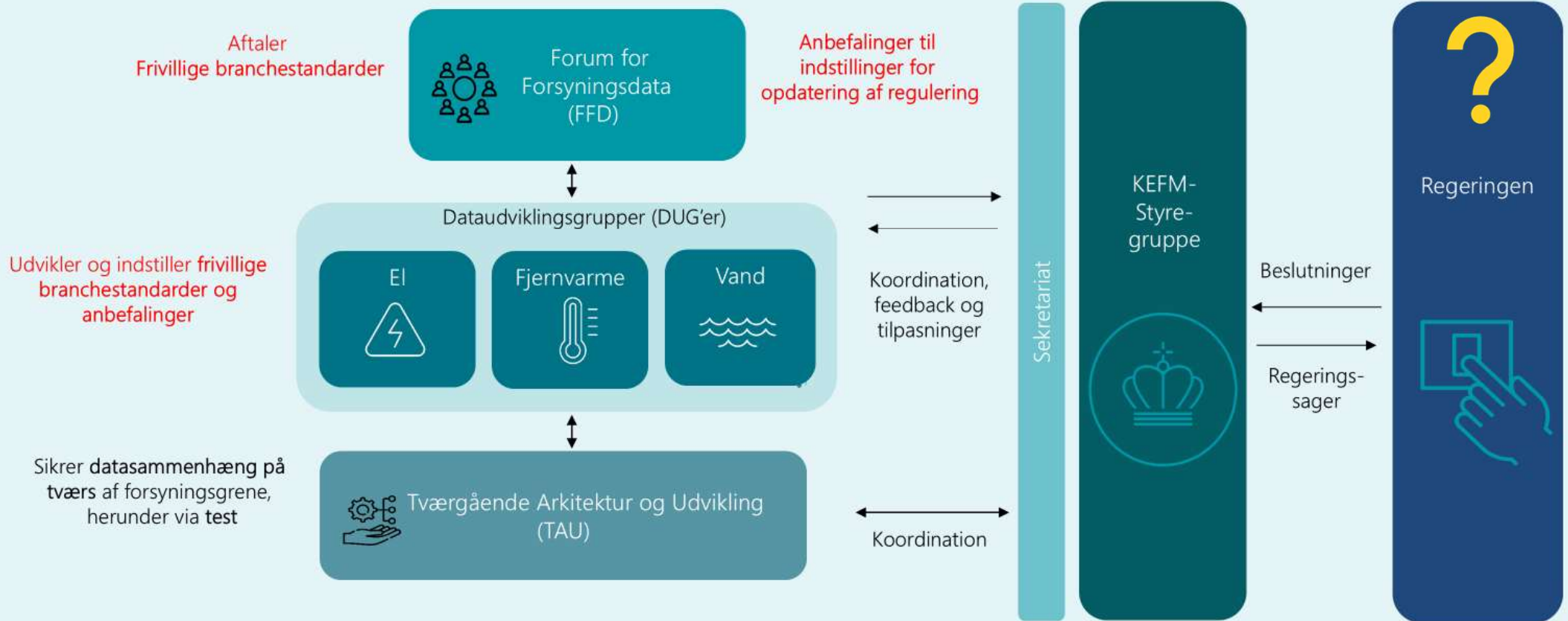
Rødt bånd, flugtvej, toiletter



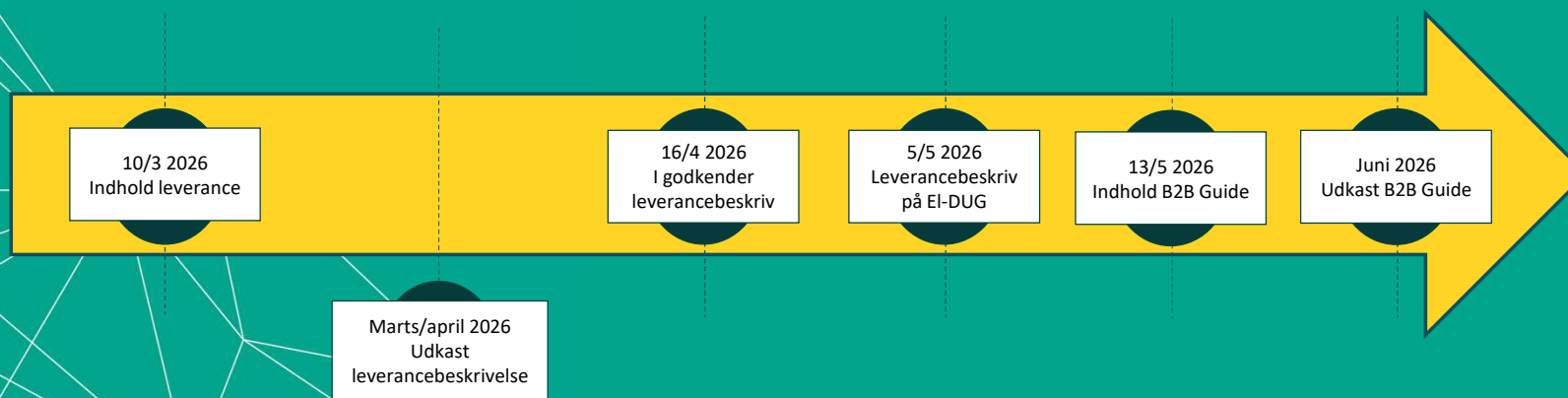
# GODKENDELSE OG UDKAST B2B GUIDE



# Privat-offentligt partnerskab om FDP



# PROCES OG MÅL MARTS → SOMMER



# PAUSE



Vi ses igen 9:55

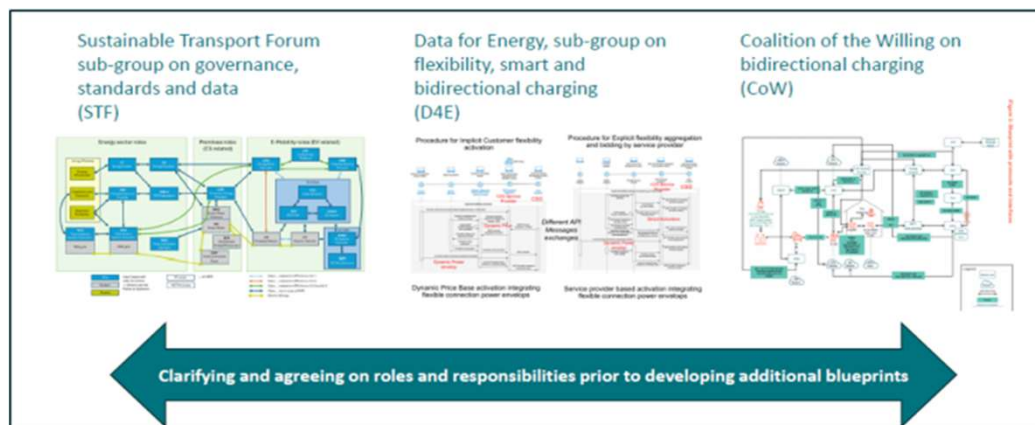
# Today's Agenda

Time	Agenda item
14:00- 14:15 (15 mins)	<b>Welcome &amp; Introduction (Commission)</b> <ul style="list-style-type: none"><li>• Opening remarks by the Directors</li></ul> Rosalinde van der Vlies (Director DG ENER.B) Thibaut Kleiner (Director, DG CNECT.E) Eric von Breska (Director, DG MOVE.B)
14:15- 14:30 (15 mins)	<b>Short Overview of the D4E-STF-CoW Joint Report</b> <ul style="list-style-type: none"><li>• Presentation of the Alignment Framework/Roles - Alexander Funke and Christian Adelhardt (CoW)</li><li>• Overview of the recommendations from the 10 transversal topics - Paul de Wit (EU DSO Entity)</li></ul>
14:30 - 15:20 (50 mins)	<b>Roundtable discussion</b>
15:20-15:30 (15 mins)	<b>Conclusions &amp; Next Steps</b> <ul style="list-style-type: none"><li>• Thibaut Kleiner (DG CNECT)</li><li>• Rosalinde van der Vlies (DG ENER)</li></ul>

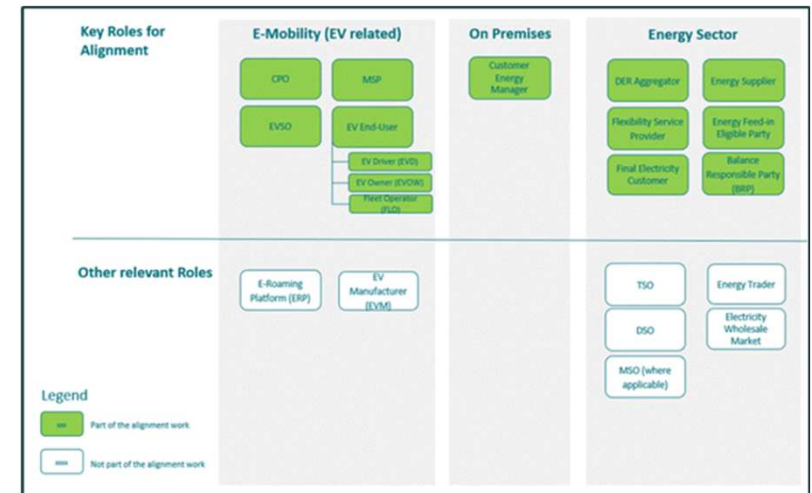
## 2. Overview of the D4E-STF-CoW Joint Report

# Alignment Framework - Roles and User Scenarios

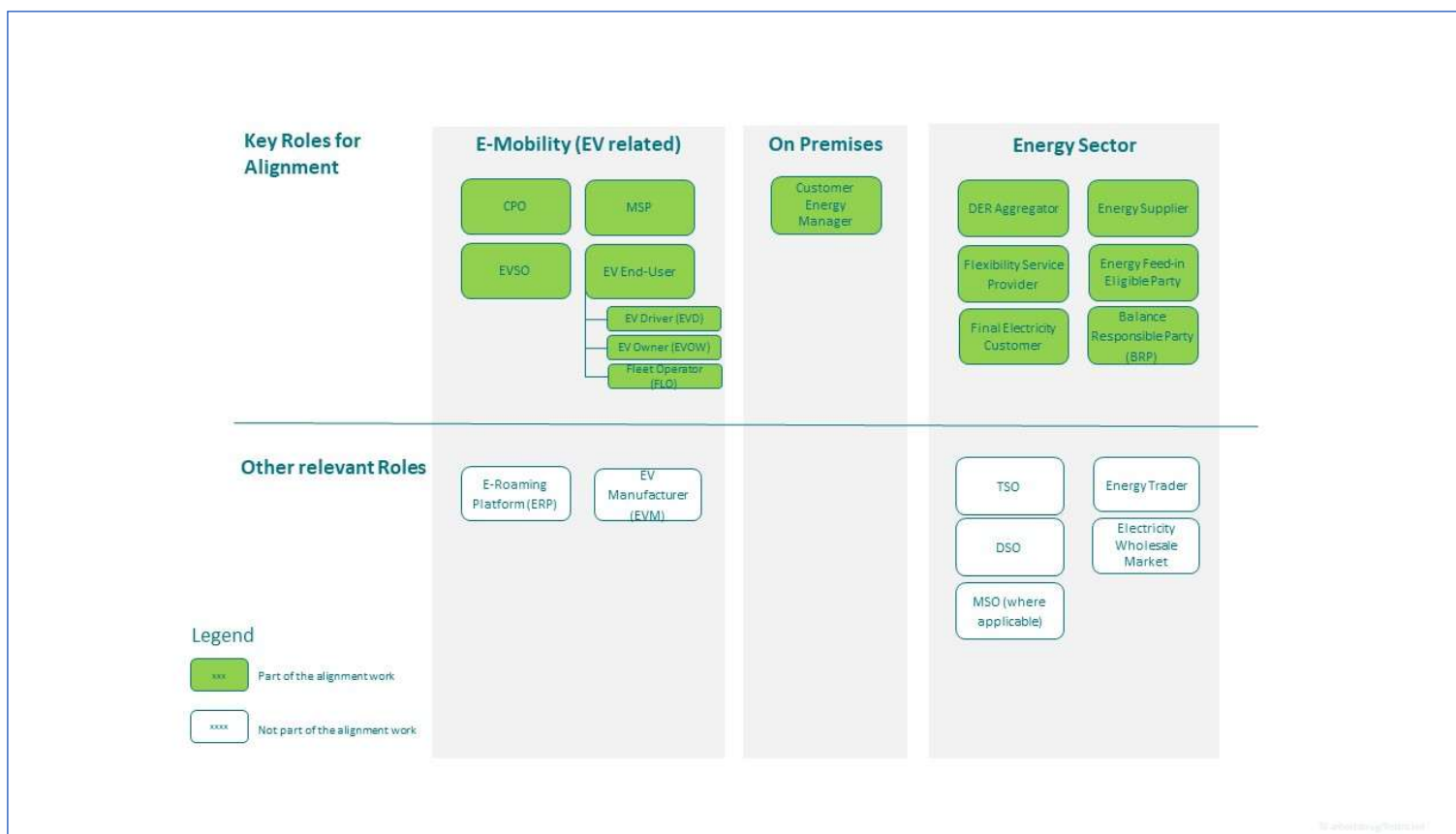
Where it started



Task to align



# Roles involved in smart and bidirectional charging of electric vehicles



## CPO DEFINITION ... FOR DØDELIGE

Ladeoperatør, som typisk installerer og vedligeholder ladestandere (hardware).

**De sikrer ladestandernes funktionalitet som opdateringer, styresystem, beregning og afregning af opladning, så kunderne kan have adgang (software).**

CPO kan også være producent af ladestandere men ofte er de ikke.

EM og eller  
CEM og eller  
DERSO

## EVSO DEFINITION ... FOR DØDELIGE

Bilens systemoperatør sikrer, at bilens behov og krav kan kommunikeres på en sikker måde til parter, der har tilladelse til at tilgå oplysninger om bilen, herunder dens batteri.

**EVSO skal sikre interoperabilitet mellem bil og forbundne enheder, digitale eller fysiske.**

Systemoperatøren er typisk den samme som har bygget bilen, eller tæt forbundet til denne.

# PAUSE



Vi ses igen 11:12



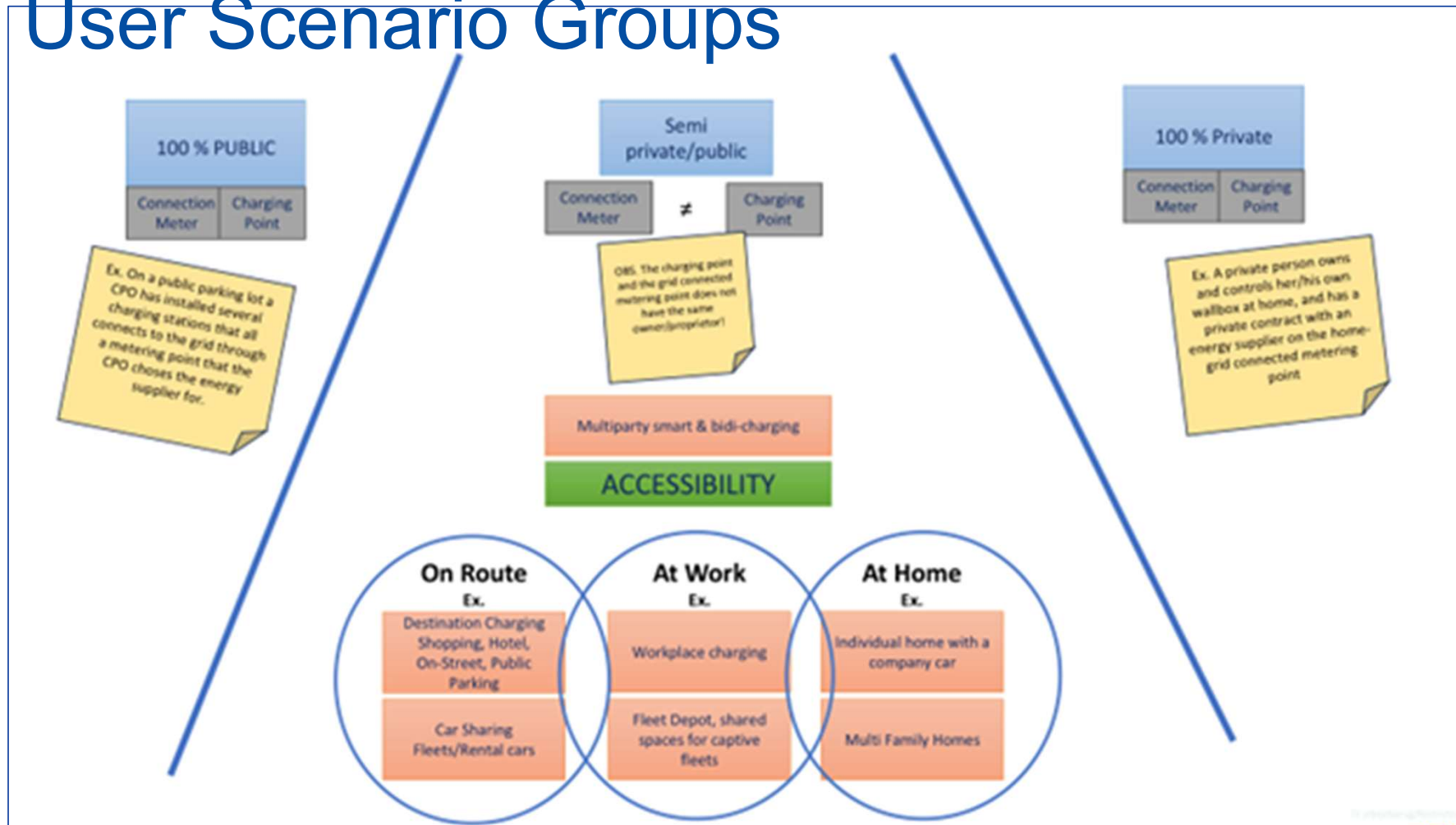
# EON + BMW

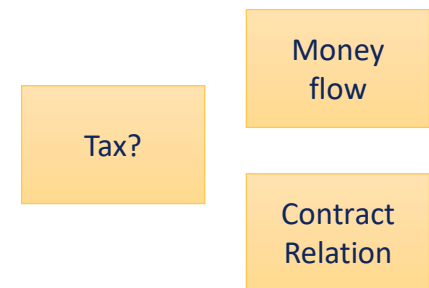
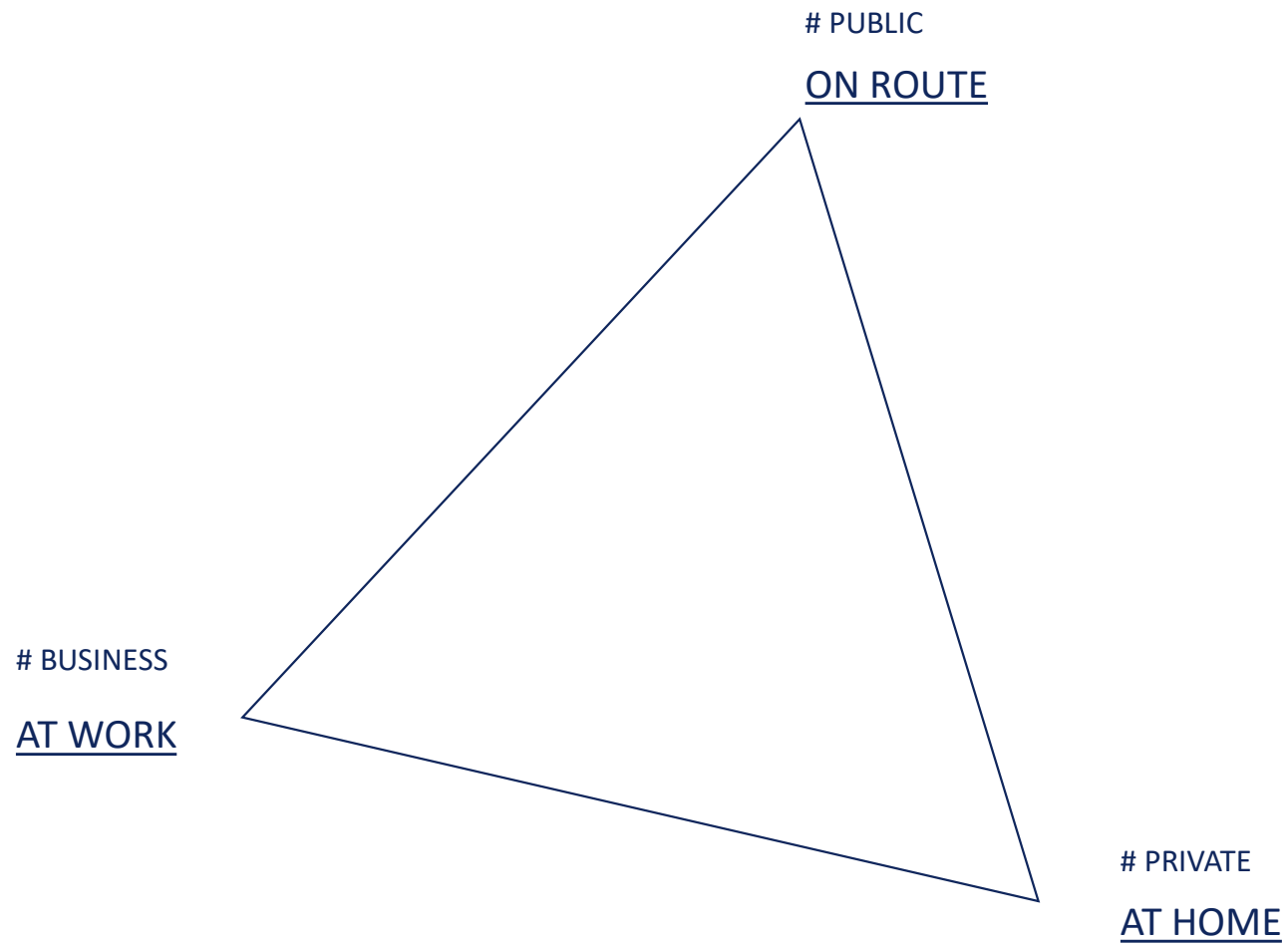
# PAUSE



Og frokost! Vi starter igen 12:45

# User Scenario Groups





What are the relevant USE SCENARIOS?

Static Service Provider & Dynamic Service Provider

Mixed Ownership

Semi Public / Private, common pattern/characteristics  
- 1 grid connection meter  
- several (many!) submeters

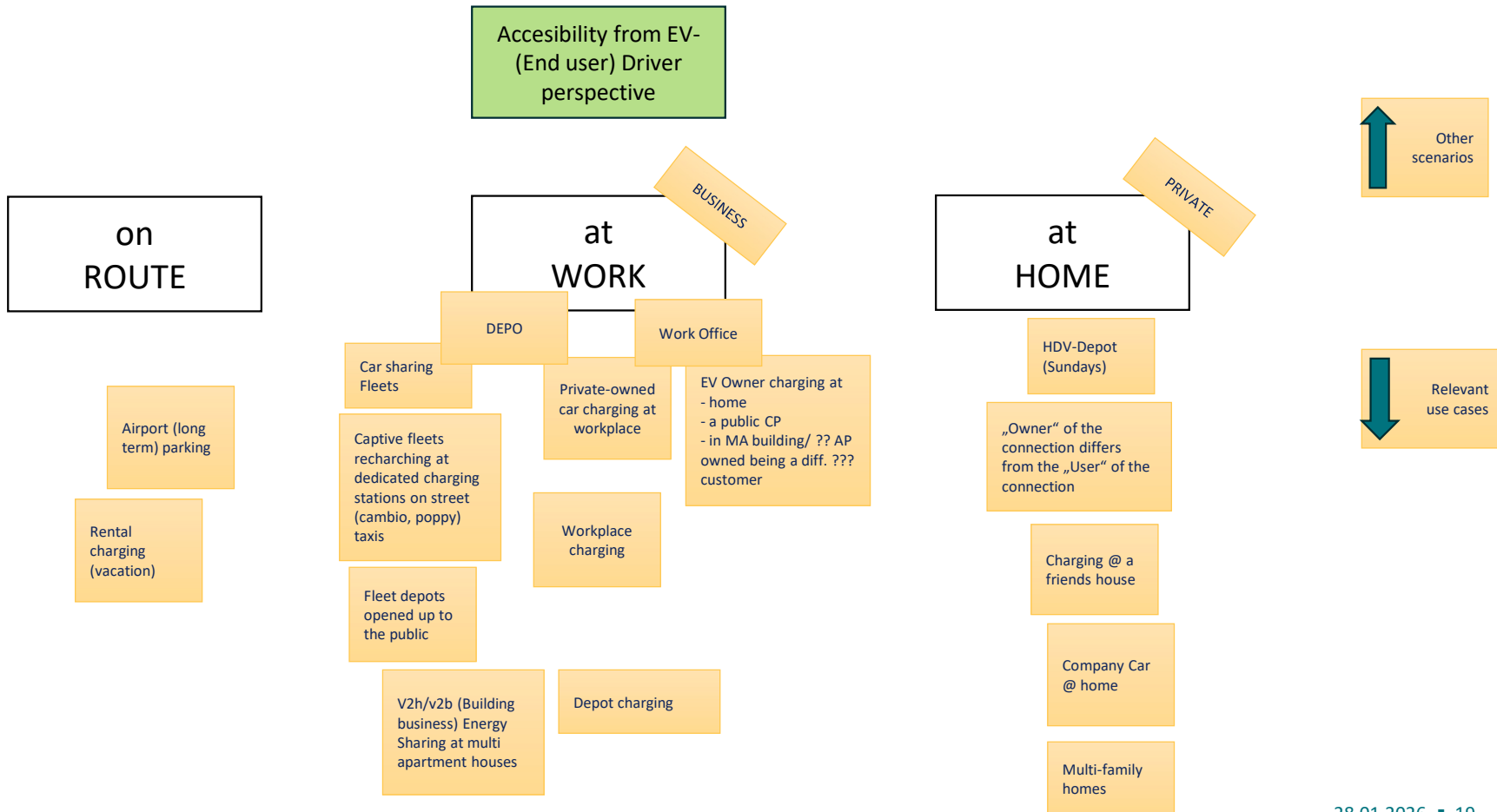
Multiparty  
- Independent?  
- Cooperation?

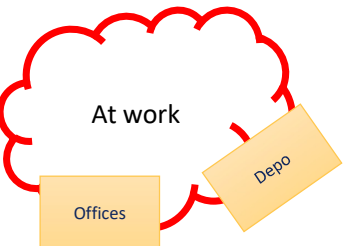
• = „we go for these wordings to elaborate finally instead of „mixed ownership““

100 % public

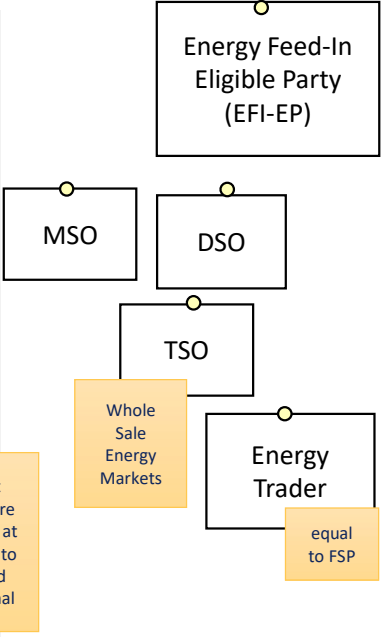
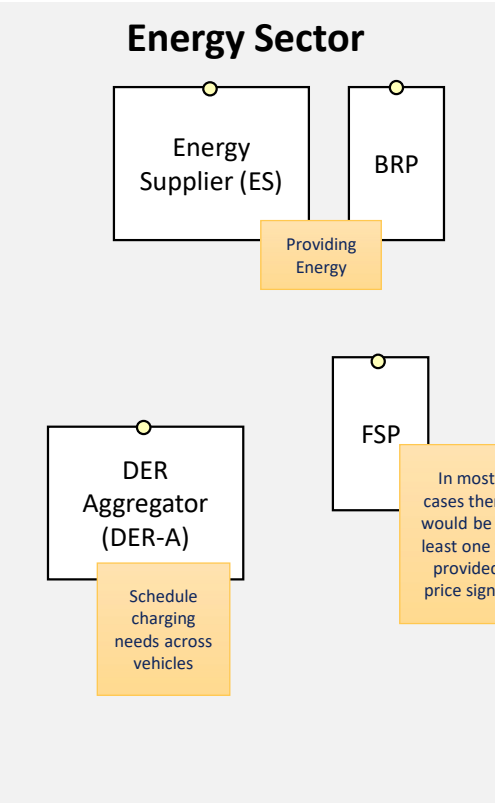
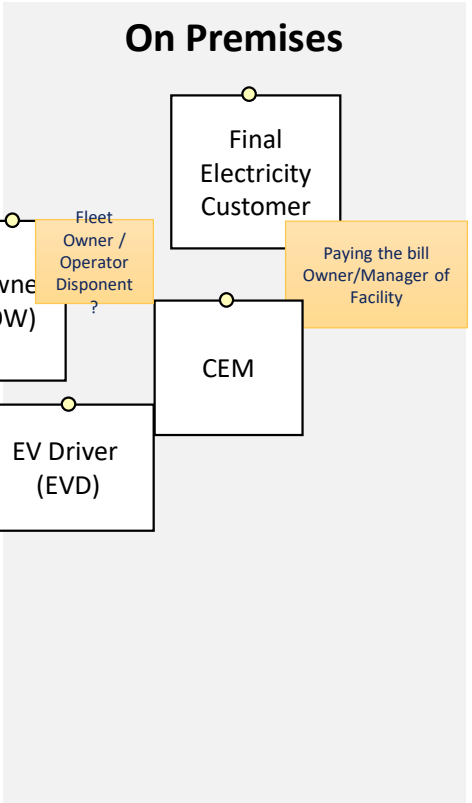
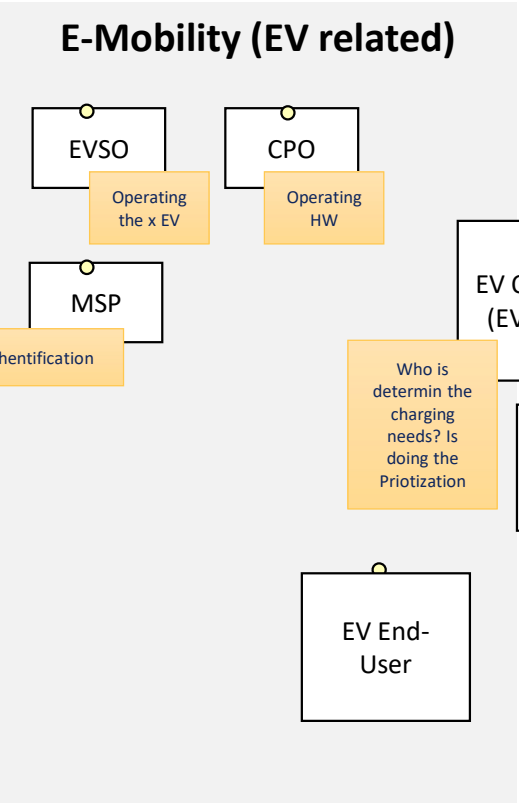
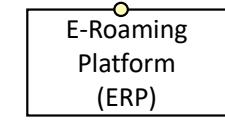
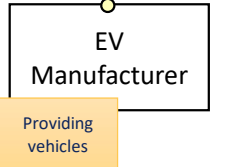
100 % private

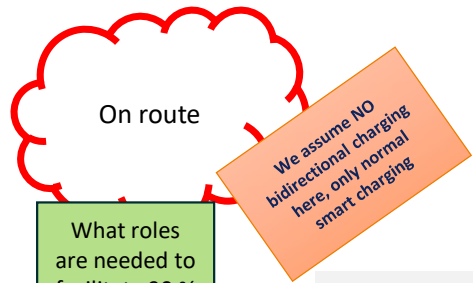
Accessibility from EV- (End user) Driver perspective





What roles are needed to facilitate 90 % of the Use Cases

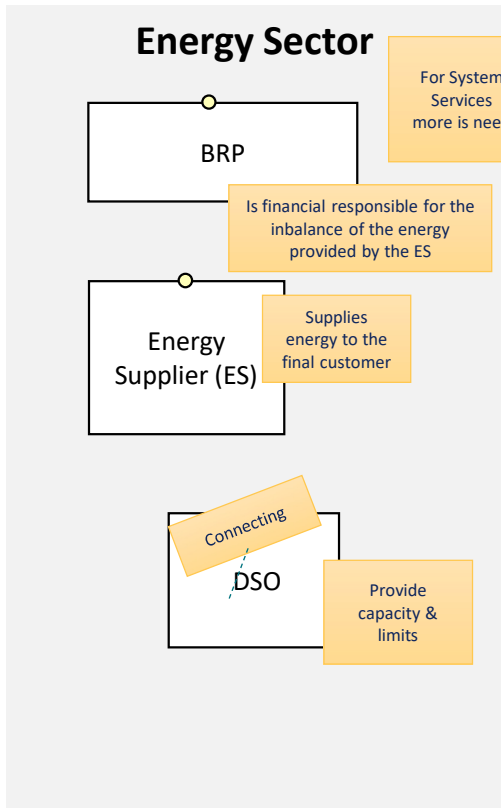
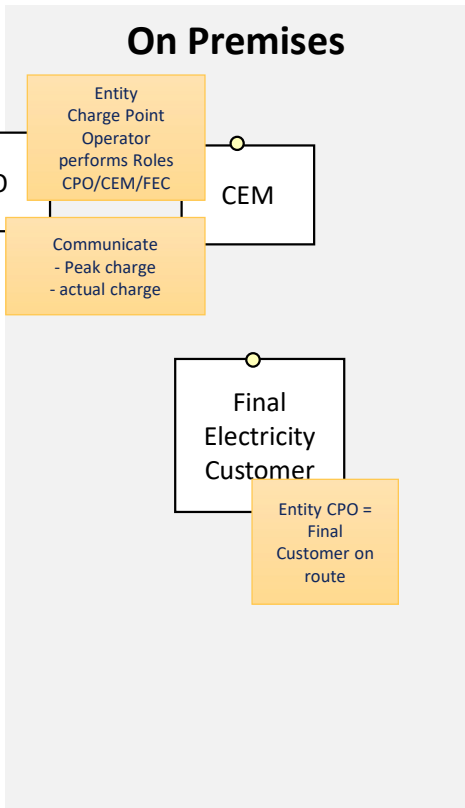
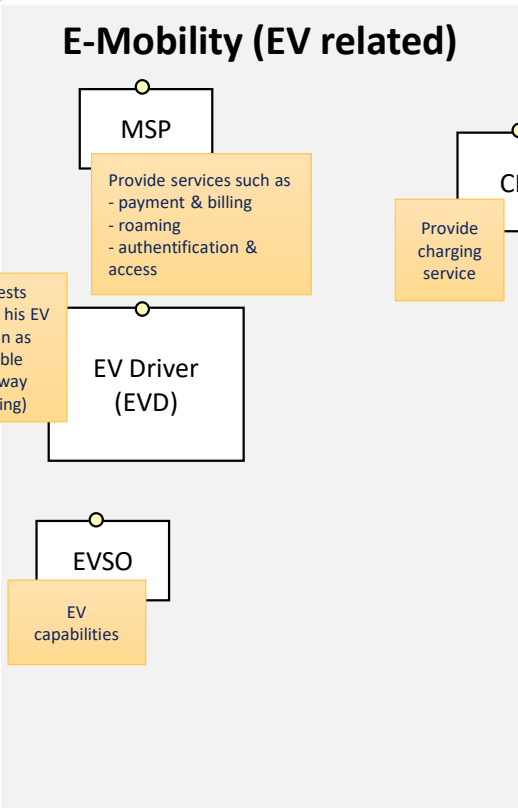




What roles are needed to facilitate 90 % of the Use Cases

Destination charging needs a new model (Hotel, Airport, Shopping etc.)

Bring your own supply contract NOT CONSIDERED

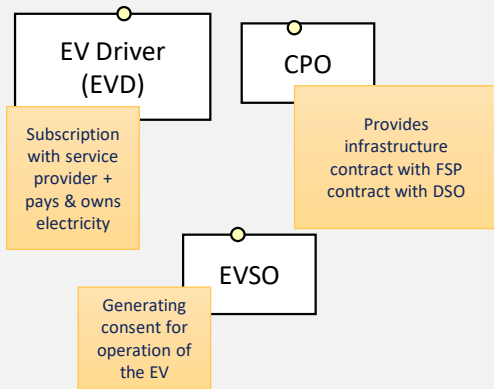


For System Services more is need

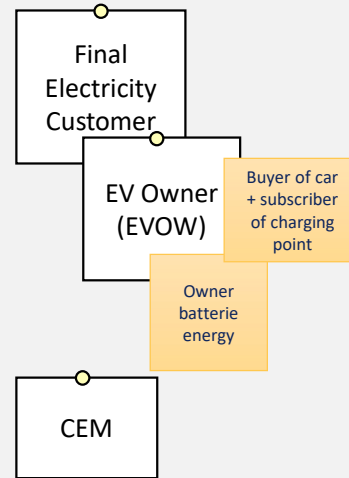
At home

What roles are needed to facilitate 90 % of the Use Cases

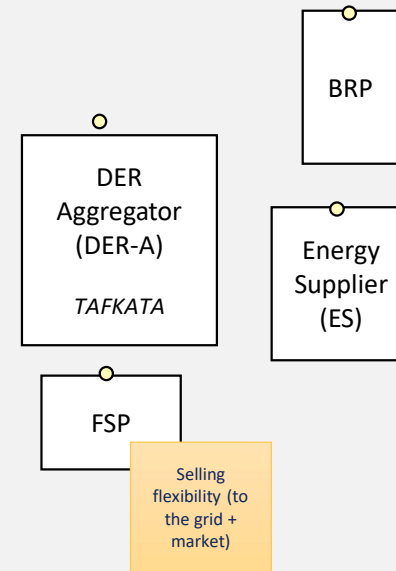
### E-Mobility (EV related)



### On Premises



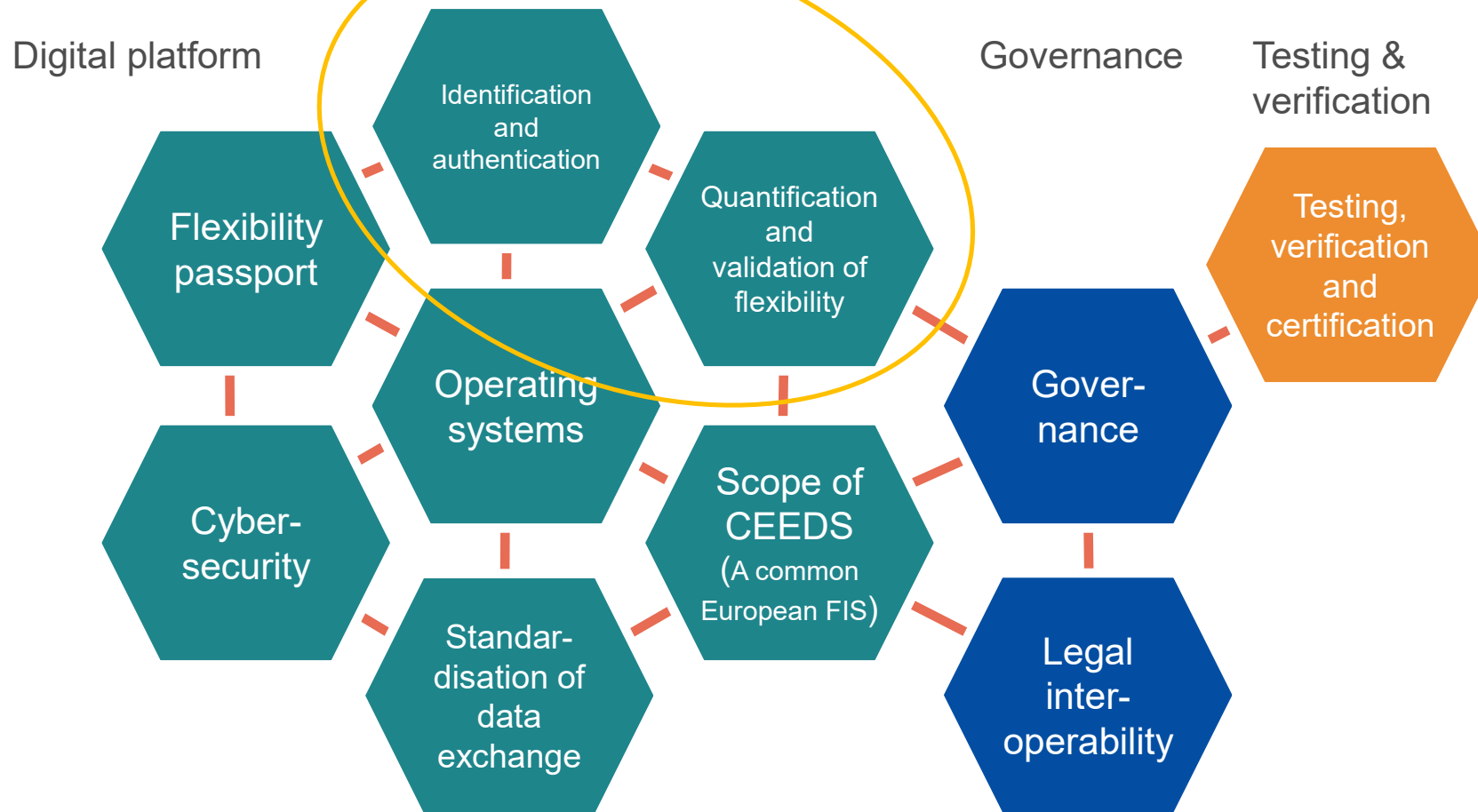
### Energy Sector



Energy Feed-In Eligible Party (EFI-EP)

# Transversal topics

## PKI Infrastruktur



# PAUSE



Vi starter igen 13:39

# COW RAPPORTER



# Actors in the V2G Energy Market

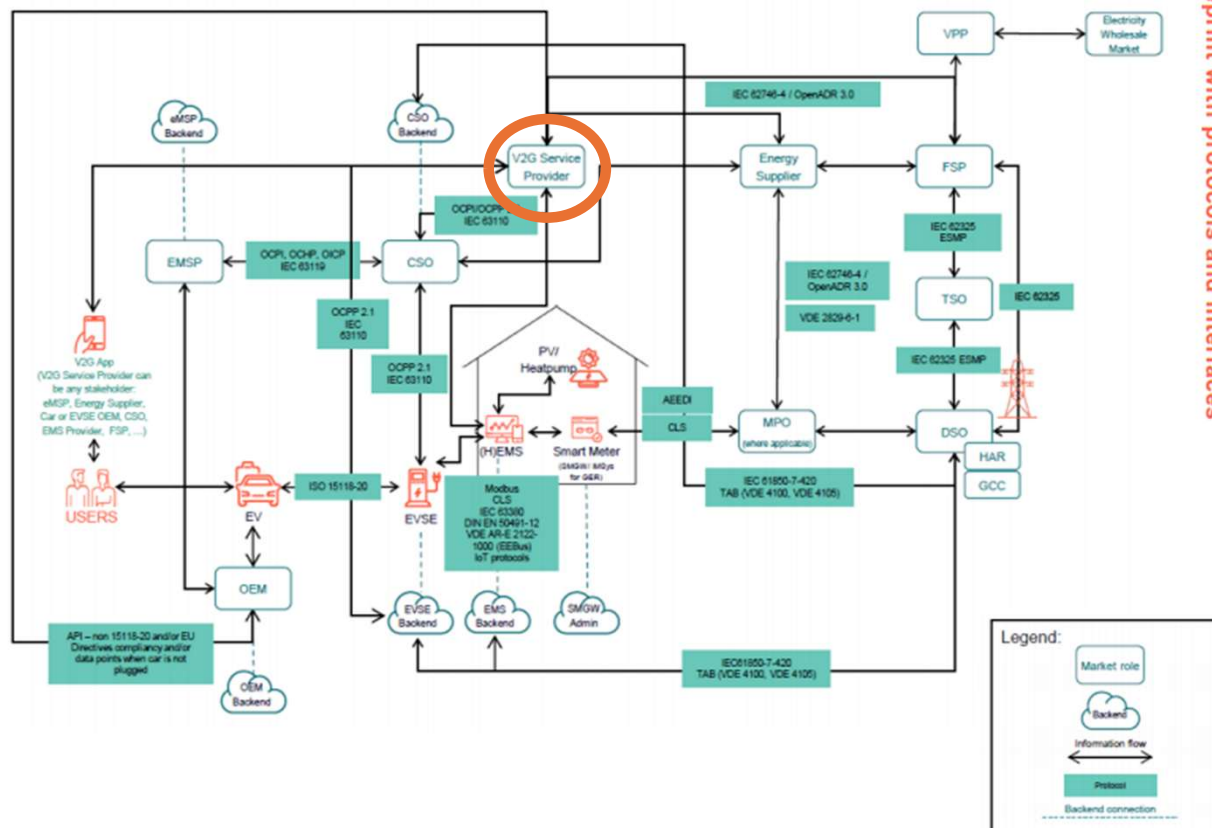
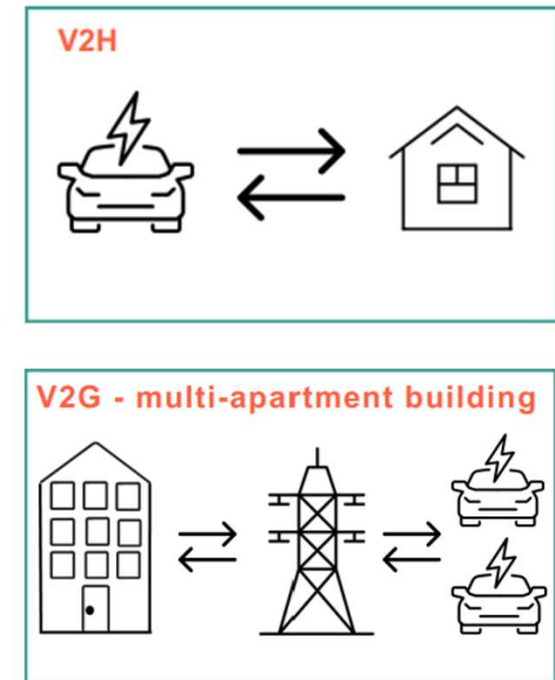
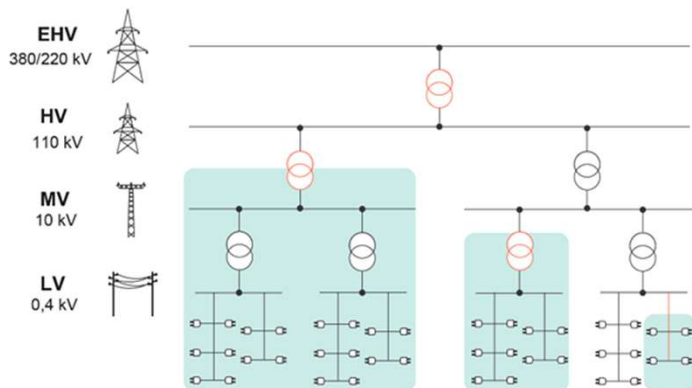


Figure 3: Blueprint with protocols and interfaces

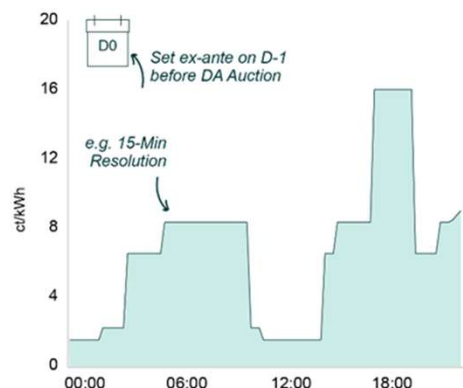


Spatial Granularity



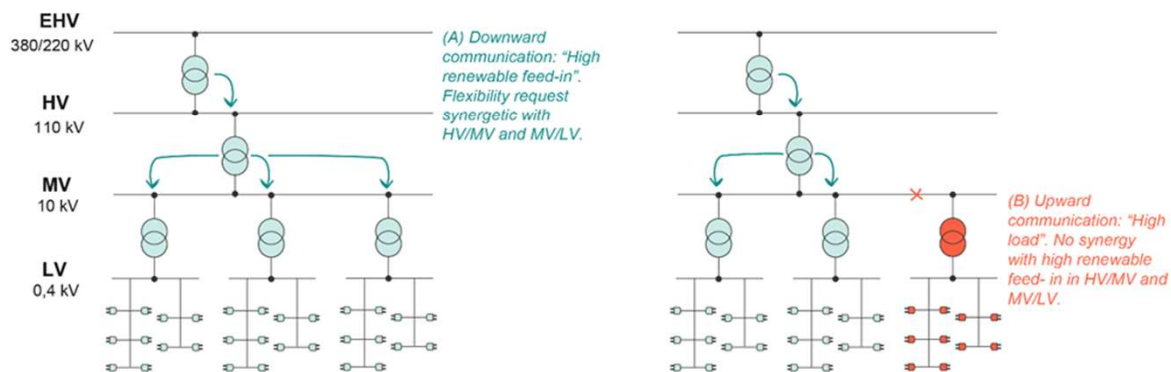
Congestion occurs locally on different voltage levels (red). Therefore, predictive measure can be implemented at different levels of spatial granularity (shaded green), such as high-to-medium voltage, medium-to-low voltage or on the level of individual feeders.

Temporal Granularity



Congestion varies depending on the time of day. Therefore predictive measures have to match this dynamic in temporal resolution. Ideally, schemes are published on D-1.

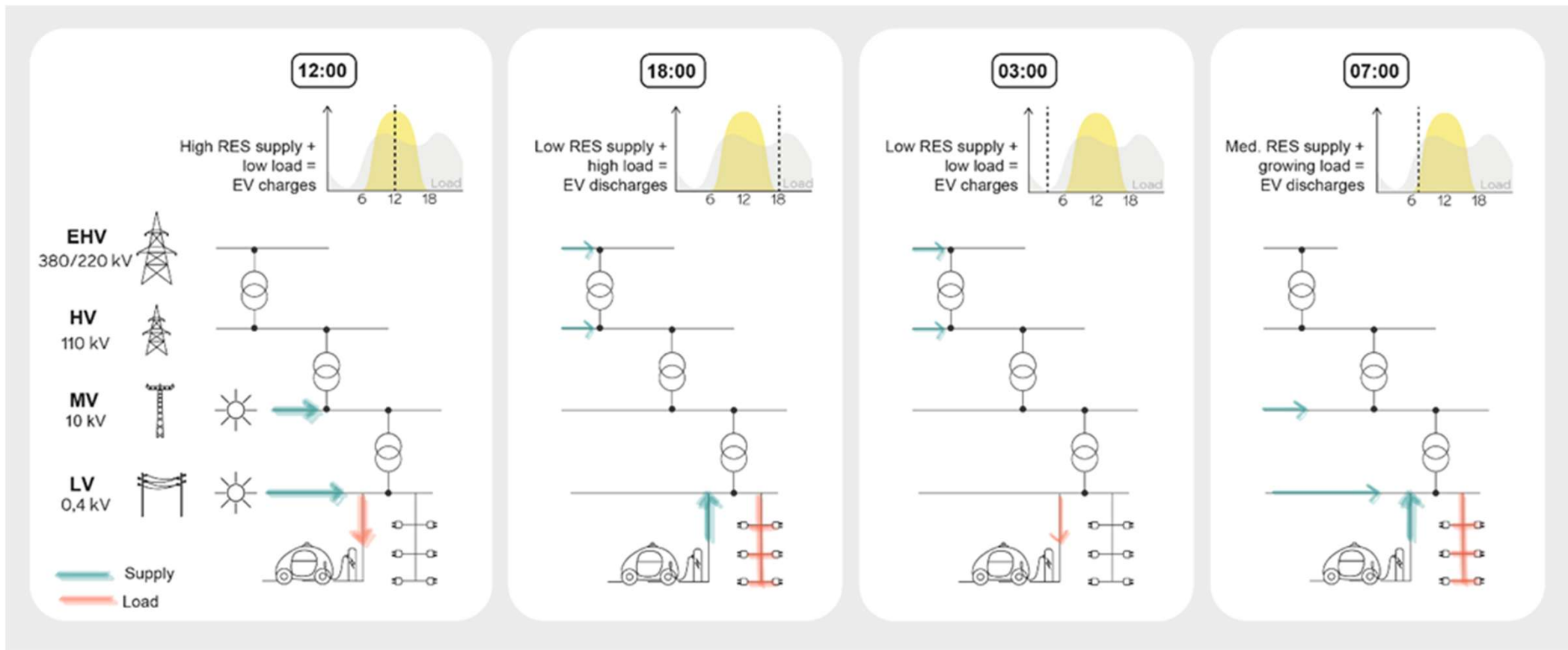
Integration across Voltage levels



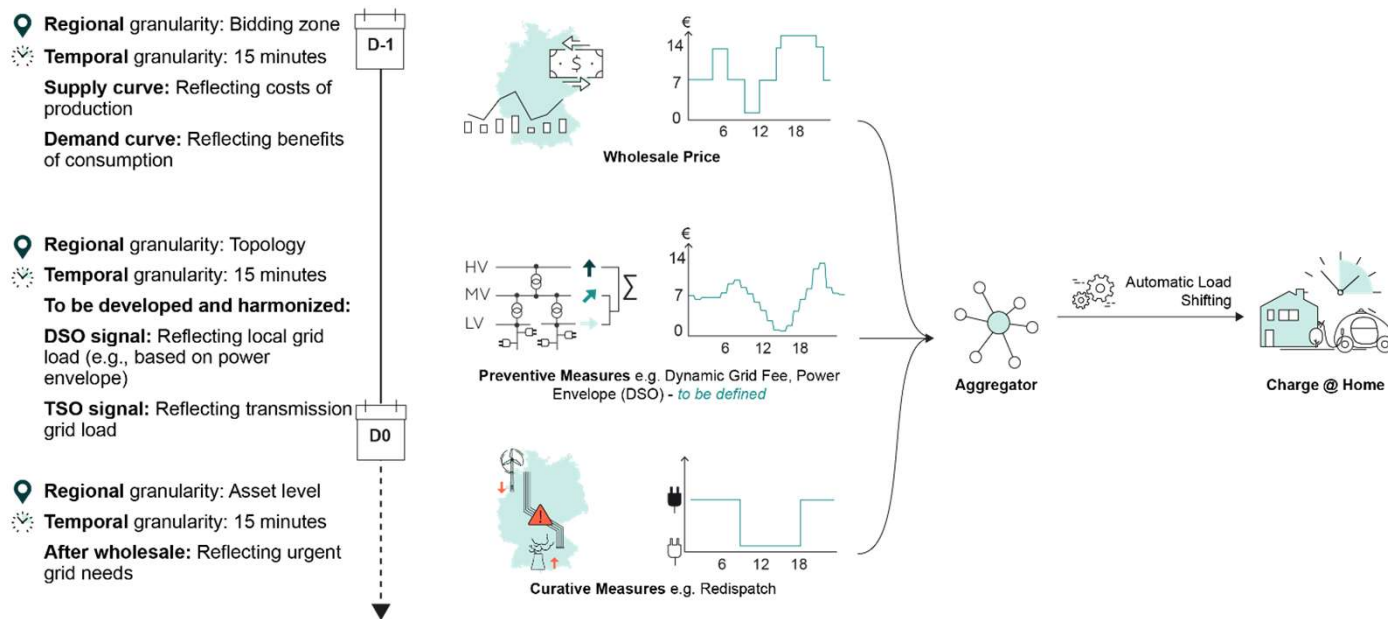
Flexibility needs are aggregated across voltage levels, whereby lower levels overrule requirements of the respective upstream level. Only synergistic demand is clustered across voltage levels when calculating incentives. (A) Surplus renewables on all voltage levels result in synergies across voltages. (B) If there are opposing flexibility requirements in lower voltage levels and these are not synergistic with demands on higher voltage levels, lower levels overrules upstream demands.

# TSO-DSO KOORDINATION

TSO'en køber fleksibiliteten – og brænder DSO'ernes net af.



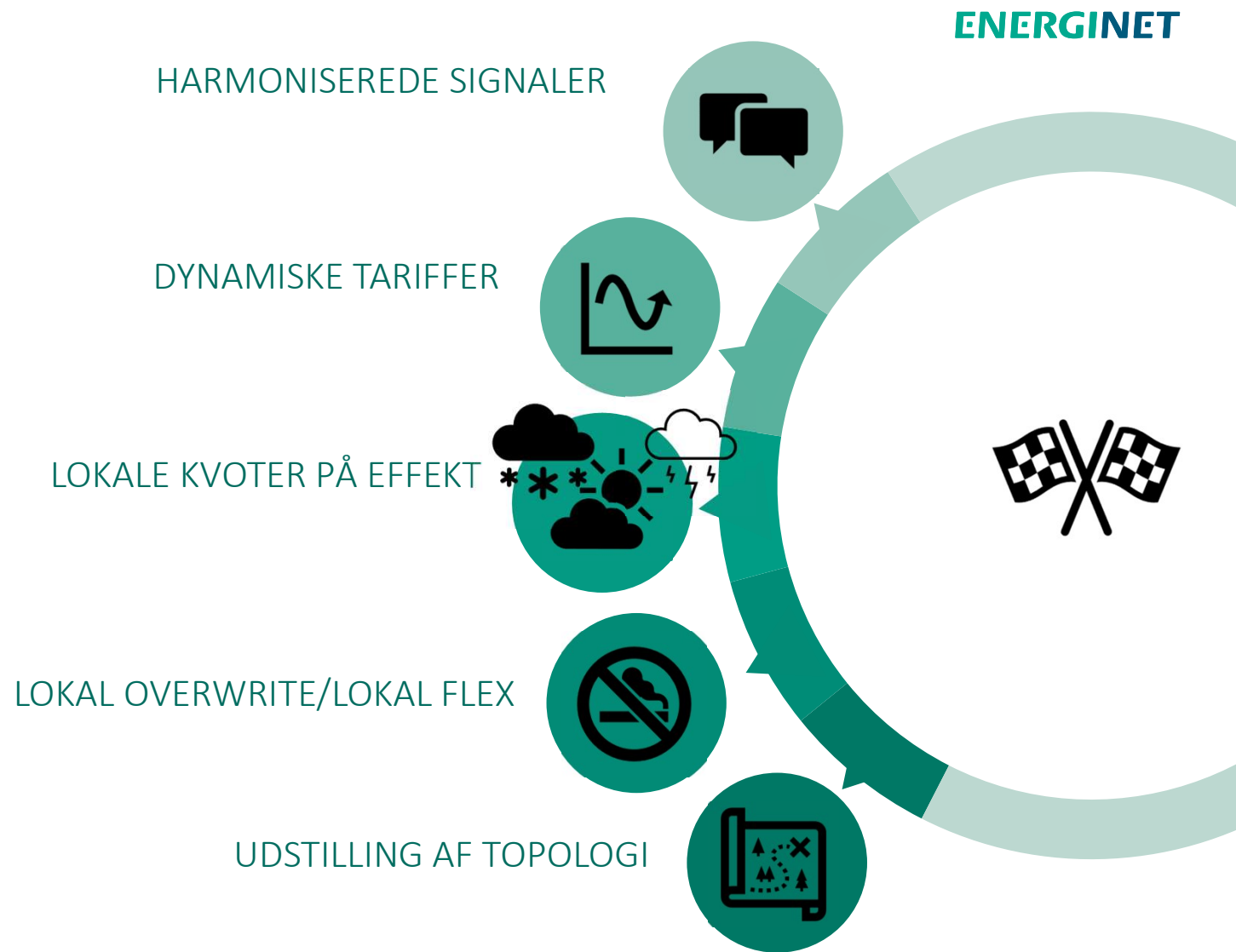
# LØSNINGEN



... ER IKKE PÅ PLADS

# VEJEN DERHEN

Muligheder – ikke facit



# JERES VURDERING AF LØSNINGERNE

Hvilke er bedst i dansk kontekst?

... og hvilke passer dårligt ind?

Savner I nogle løsninger?

# RAPPORTENS MÅLSÆTNINGER

1. Multi apartment setup
2. Technical concept
3. Investigate new sharing concepts

# DANSK KONTEKST

Indeholder rapporten noget, Danmark dårligt kan rumme?

Hvordan er ambitionsniveauet?

Hvor ville I starte, hvis I skulle implementere energideling sammen med V2G i DK?

# PAUSE



Vi starter igen 14:38

# INDHOLD | LEVERANCE AF B2B GUIDE

## INDHOLD I LEVERANCE

### VORES FÆRDIGE B2B GUIDE

Detaljegrad?  
Emner?  
Afgrænsning?

### INDHOLD I LEVERANCE

One-pager: Hvad skal nævnes for at  
rammesætte opgaven



# OPSAMLING VED CDL