

The Capital Region of Denmark

REGION

# Copenhagen**Electric**

- The Regional EV Secretariat



# Electric Mobility for freight and goods

*Workshop, Høje-Taastrup, 25. okt. 2018*

## The Regional perspective

**Policy, strategy, and activities** to promote  
climate friendly freight and goods transport in  
Greater Copenhagen

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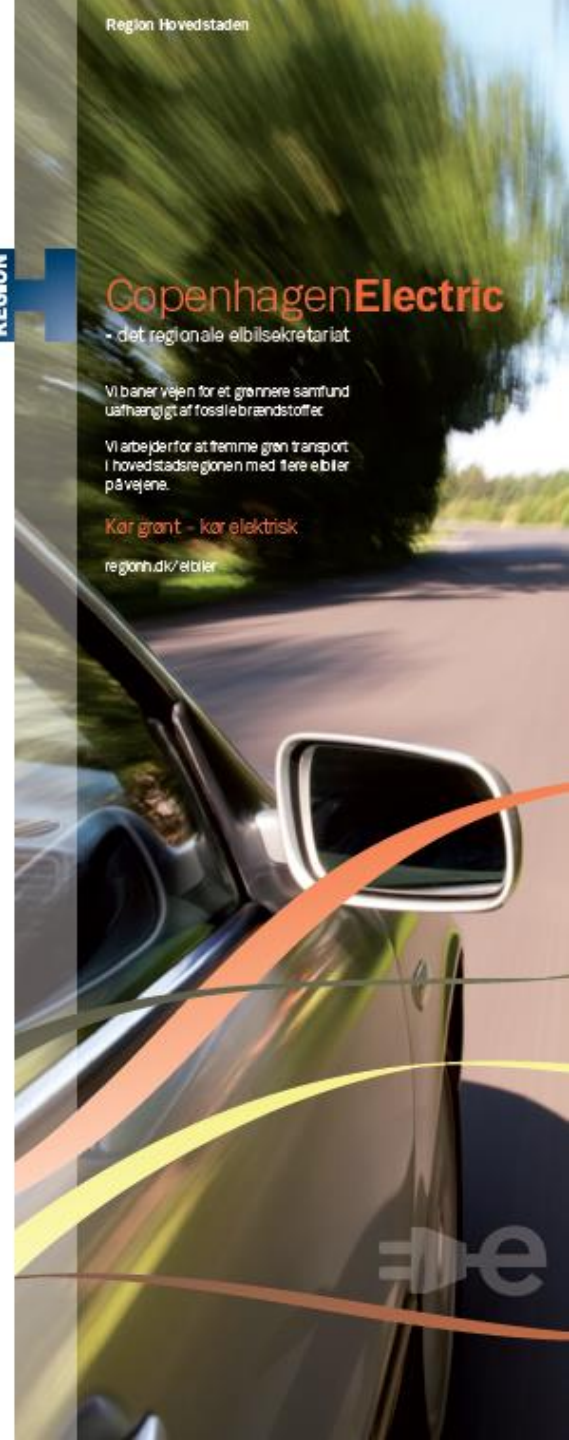
- det regionale elbilsekretariat

Vi baner vejen for et grønnere samfund  
uafhængigt af fossile brændstoffer

Vi arbejder for at fremme grøn transport  
i hovedstadsregionen med flere elbiler  
på vejene.

Kør grønt - kør elektrisk

[regionh.dk/elbiler](http://regionh.dk/elbiler)





Policy

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Let's drive  
the world  
electric

#cphelectric  
#joinus

乾燥しなさい  
SUPER DRY

# The regional perspective

- 29 municipalities
- Freight transport goes across municipality borders → Good with a regional perspective
- Many freight transport activities in the urban area of Copenhagen
  - Port of Copenhagen
  - Copenhagen airport
  - Municipalities with many warehouses and logistics activities



## Targets

- **Denmark** – Independent of fossil fuels by 2050
- **The Capital Region of Denmark** – Noise and air pollution should be reduced with 40 % by 2025
- **Copenhagen** – First CO2-neutral capital by 2025

## Challenges

- **Urbanization** – 200.000 more inhabitants in the capital region in the next 10 years
- **Increased transport** – The transport sector is responsible for 1/4 of CO2-emissions in Denmark
- **Risk** – Environmental consequences and increased congestion



# Strategy





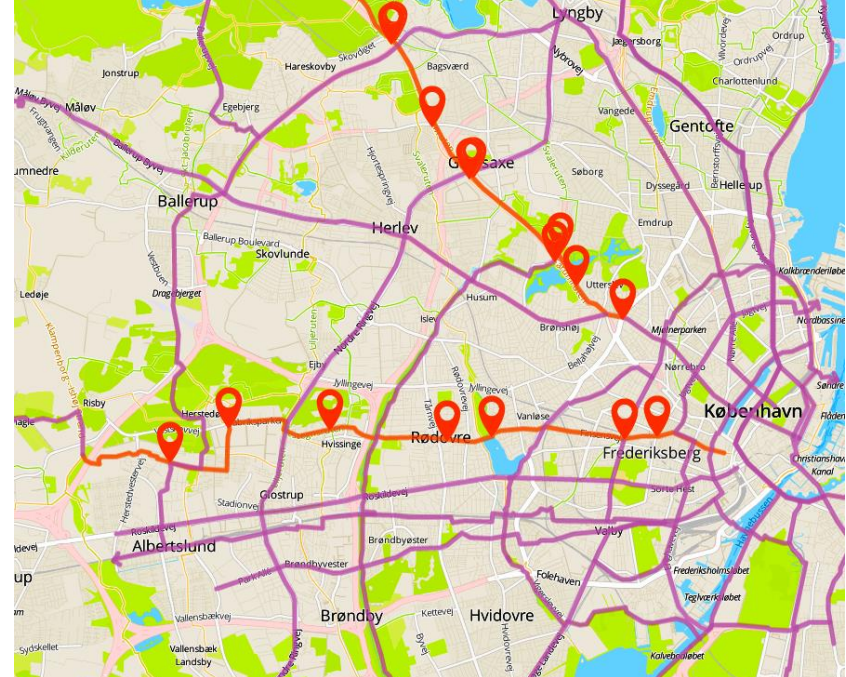
## Strategy

Bicycles

Public transportation

Green vehicles

"... all light vehicles in the Capital Region except ambulances and emergency medical vehicles purchased after July 1, 2014 shall not be driven by fossil fuels ..."



# Copenhagen Electric

- **Vision** – To be the leading green transport region in Europe
- **How** – Knowledge sharing, communication, facilitation of projects, participating in projects, local and international cooperation, networking etc.
- **Sustainable urban freight transport** – Focus on green vehicles and new business models



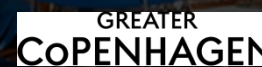


# Collaboration in innovative partnerships - Triple helix

## Research Institutions



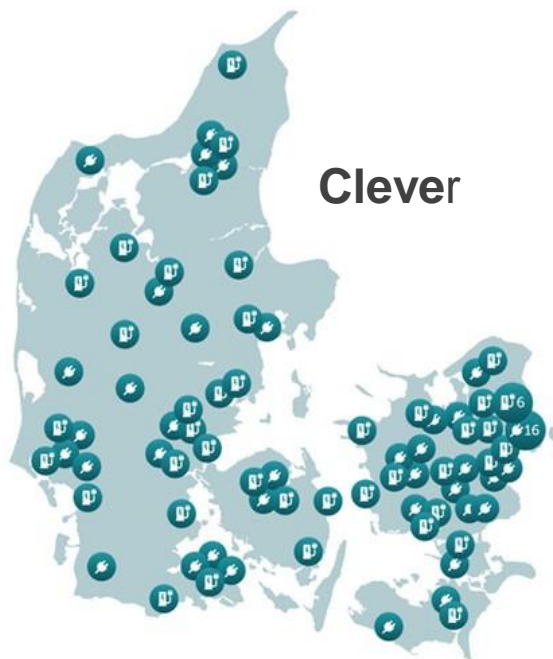
## Solutions Labs Data-hubs Project leaders



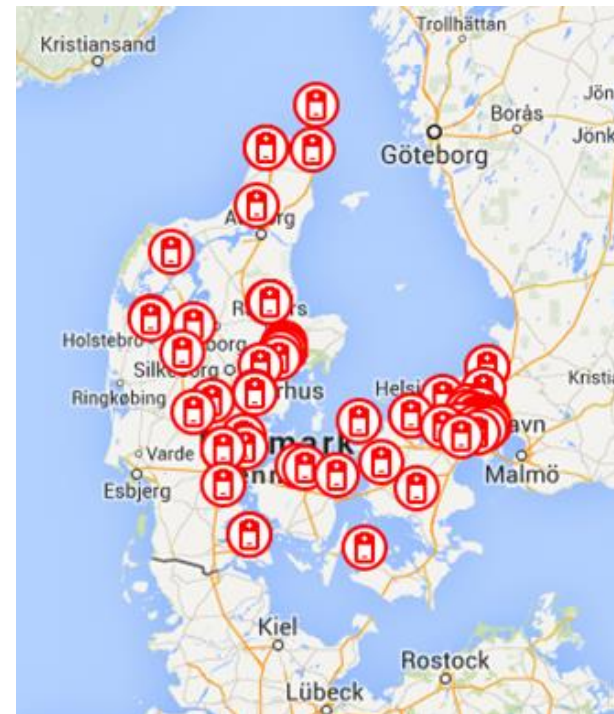
## Public Authorities

## Private Companies and Organisations

## Chargers



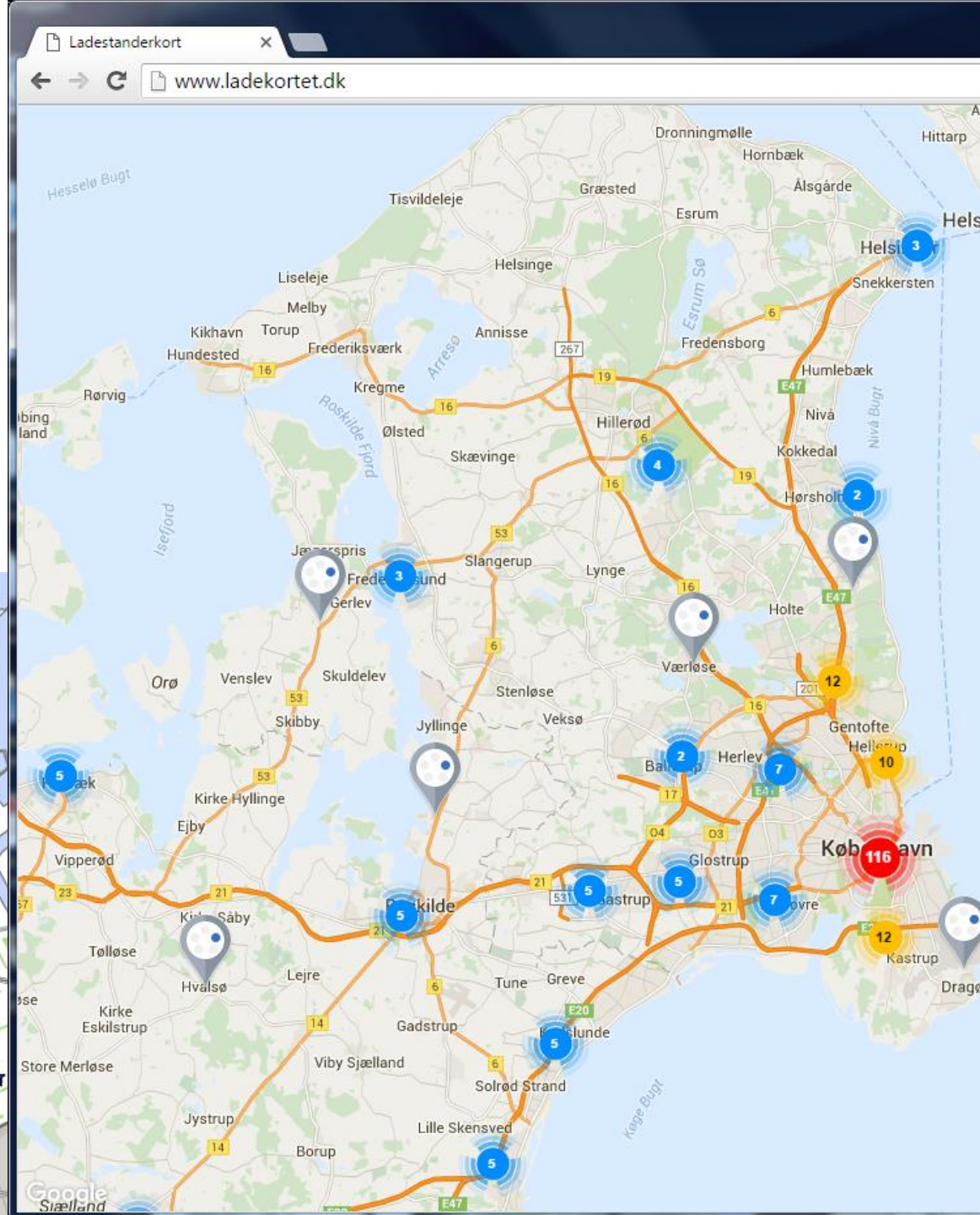
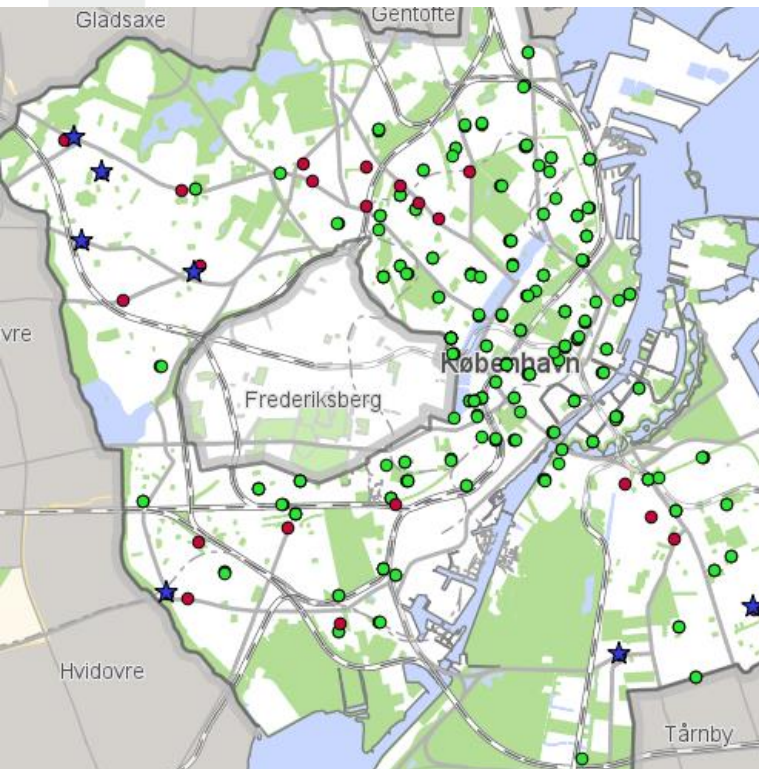
**E-on**





# Chargers in Copenhagen Region

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## Chargers at hospitals

- For employes, patients and guests
- Both normal and quick charging





# Activities

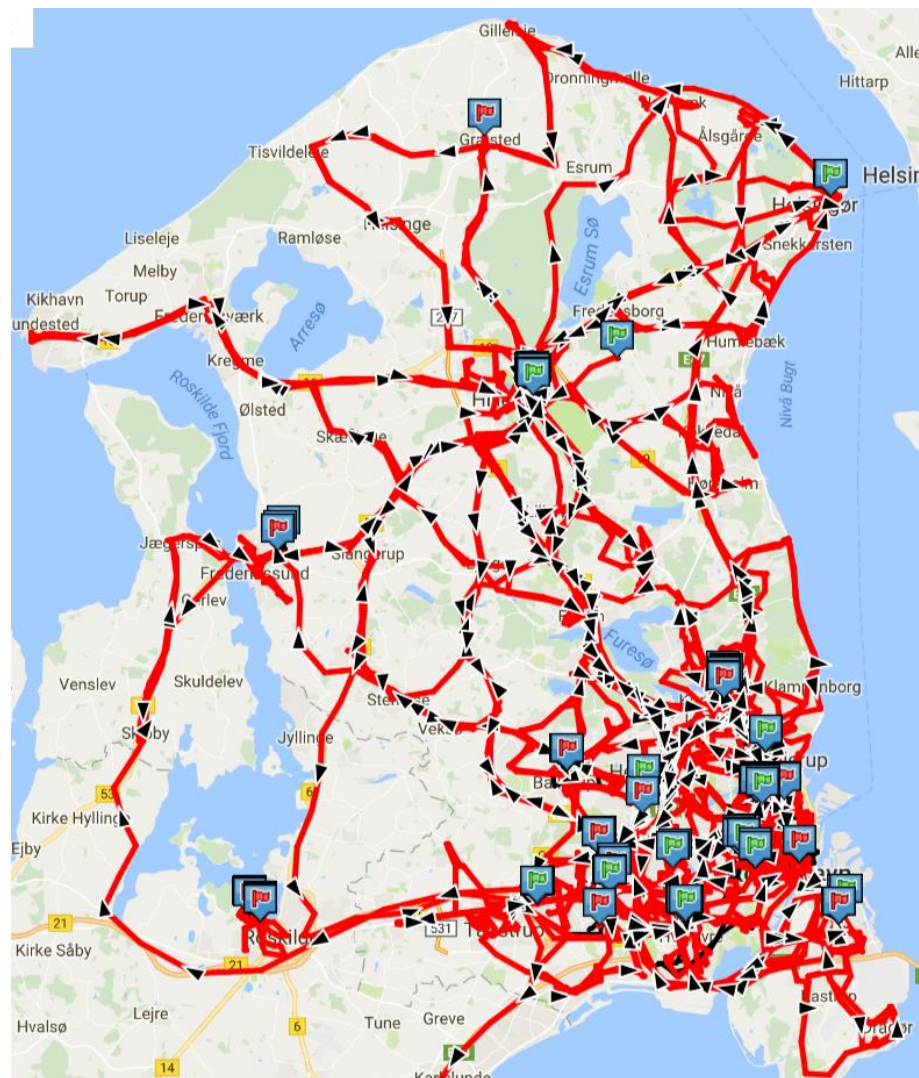


# New vehicles in the regional transport department 2017



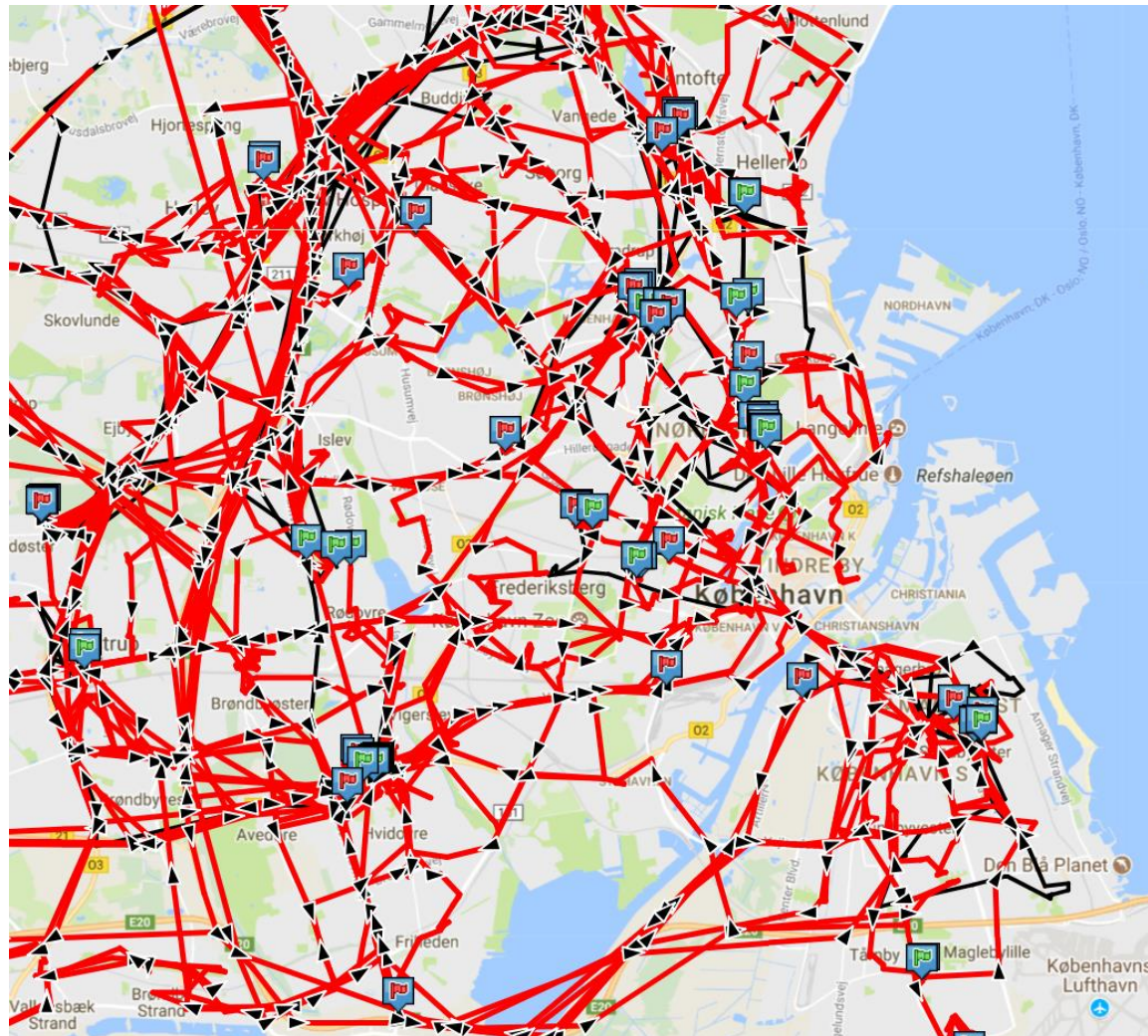


# So how is our transport pattern on an ordinary Monday?



All the tracked routes on Monday May 14<sup>th</sup>

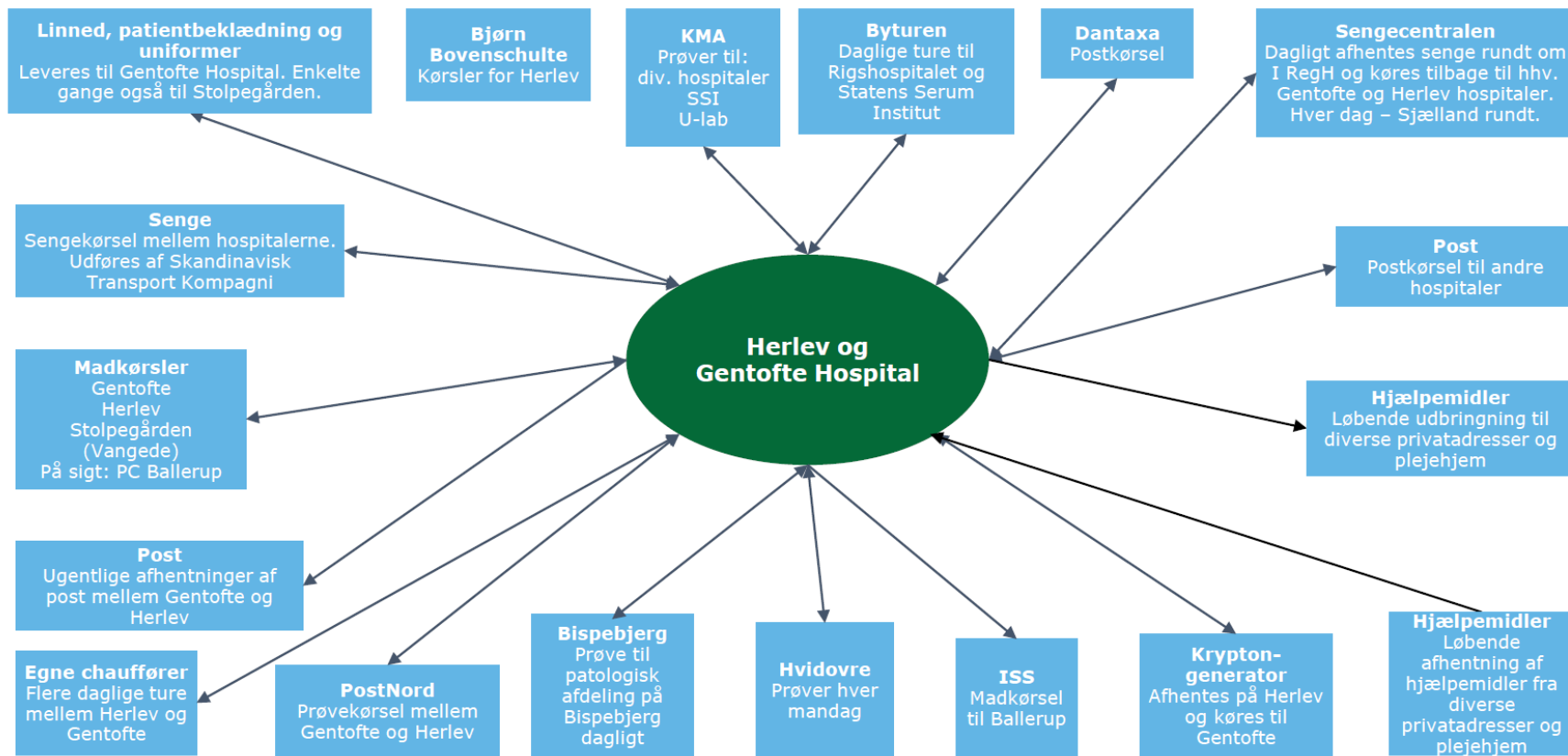
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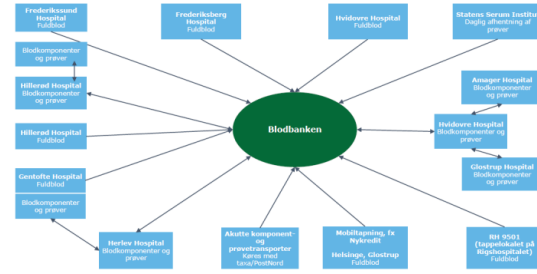
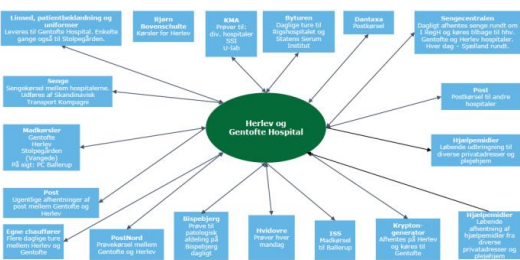
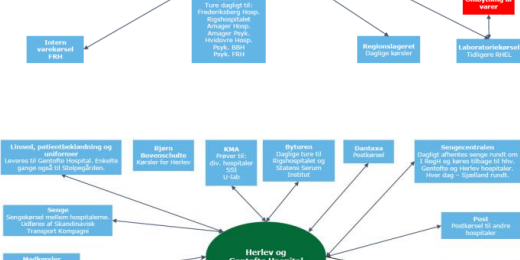
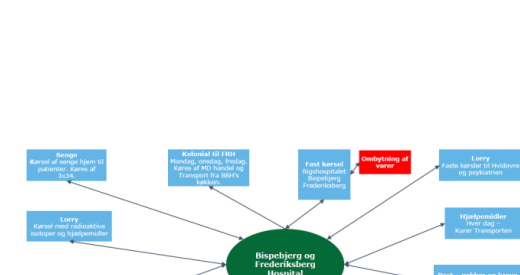


# Mapping different transport tasks at a hospital

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# Different options...



# Networks – Business and municipalities

## Two networks

- National networks, one for businesses and one for municipalities
- Meetings, workshops, news

## Purpose:

- Support the development e-mobility in private and public organizations
- Elevate and maintain the knowledge of electric vehicles
- Knowledge sharing and exchange of best practices



## 50 håndværkerbiler på el

Aim – To introduce electric vans used by handymen such as electricians, painters, plumbers etc.

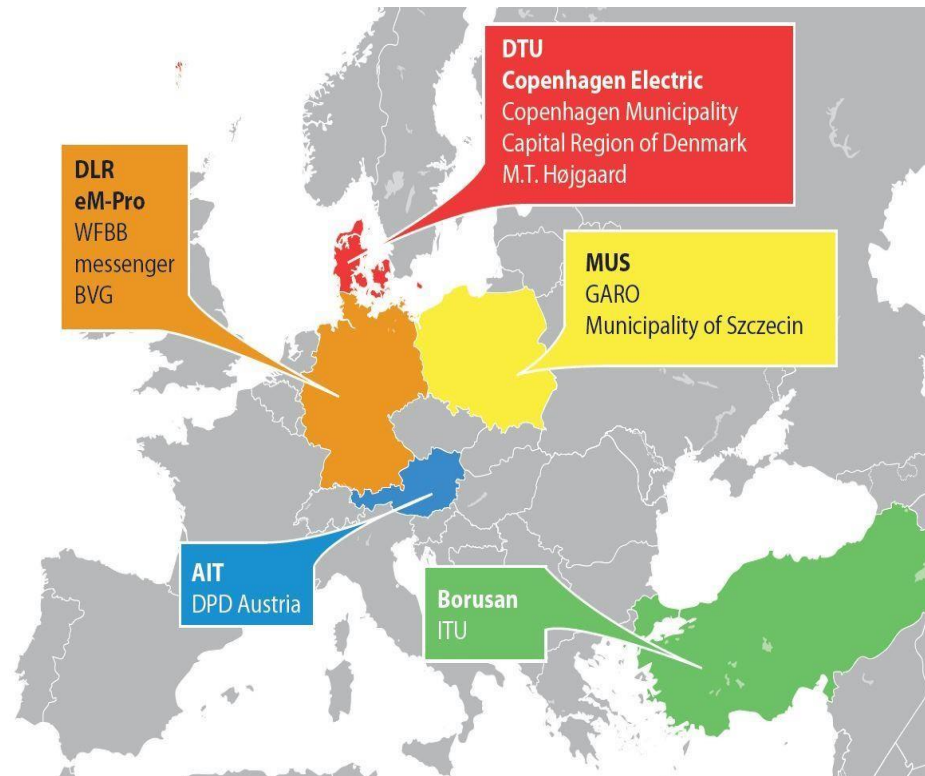
How – by offering 50 Nissan E-NV200 with 3 years leasing + service including charging infrastructure (financed by the Danish energy agency)

- Copenhagen electric's role:
  - Project management
  - Economic administration
  - Evaluation, questionnaire
  - Communication



# EUFAL (Electric urban freight and logistics)

- Potential for electric mobility in commercial transport – but potential not exploited.
- Develop a digital platform for knowledge sharing
  - Transfer of knowledge on methods and technologies
  - Among stakeholders with different levels of experience
  - Provide better knowledge to policy makers
- Aim: Push development to get better framework conditions for promotion of EV use, especially in urban freight and logistics



This project is funded by  
the European Union





## GREAT - corridor

Green Regions with Alternative fuel for Transport.

- Corridors for green transport
- Electricity, biogas, (hydrogen)
- Stations and users

STRING – forum:

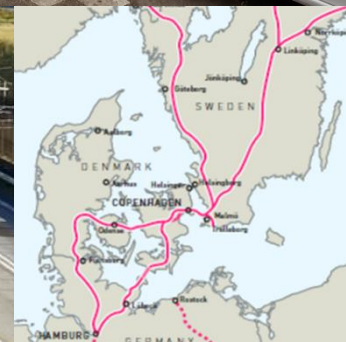




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Thank you