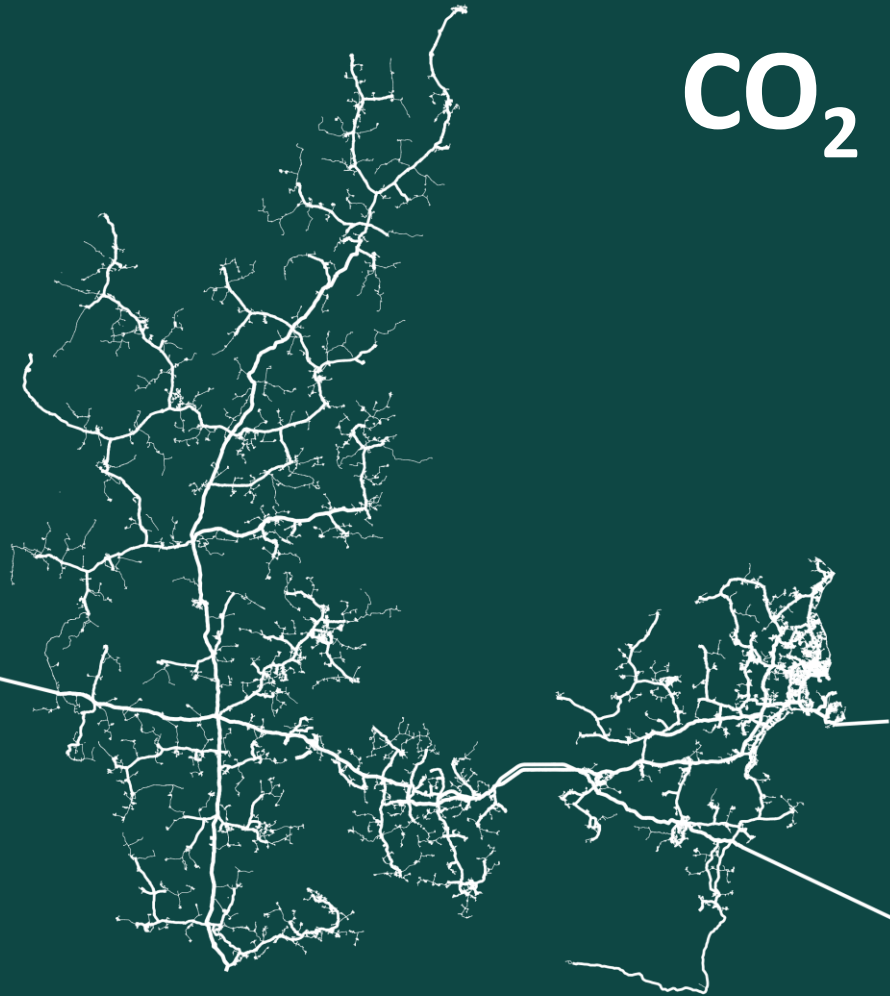


Visions for Transportation of CO₂ in Denmark



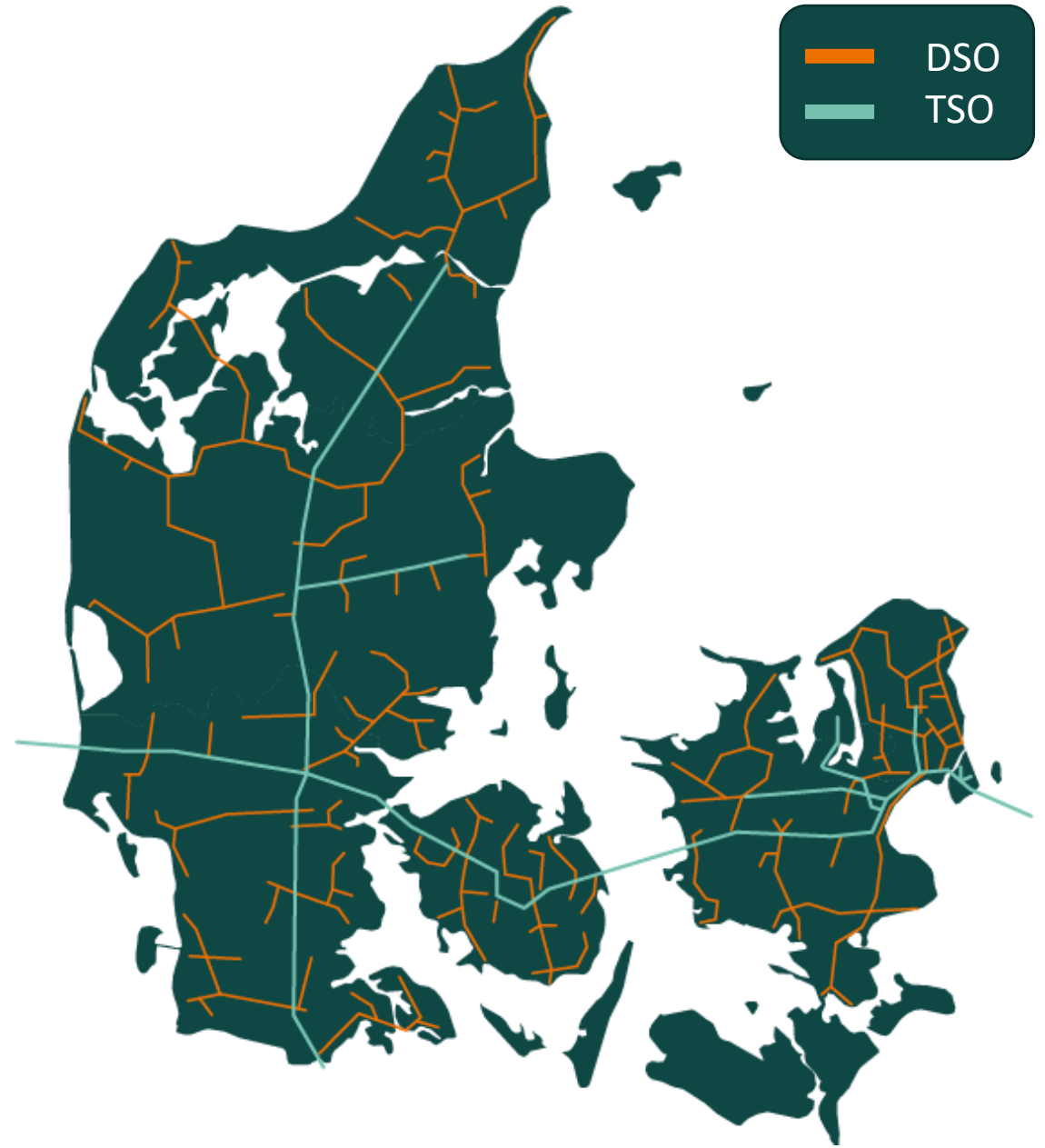
Morten Poulsen | Head of PtX and Pilot Projects
M: +45 2519 5579 | mopou@evida.dk

Evida

- who we are

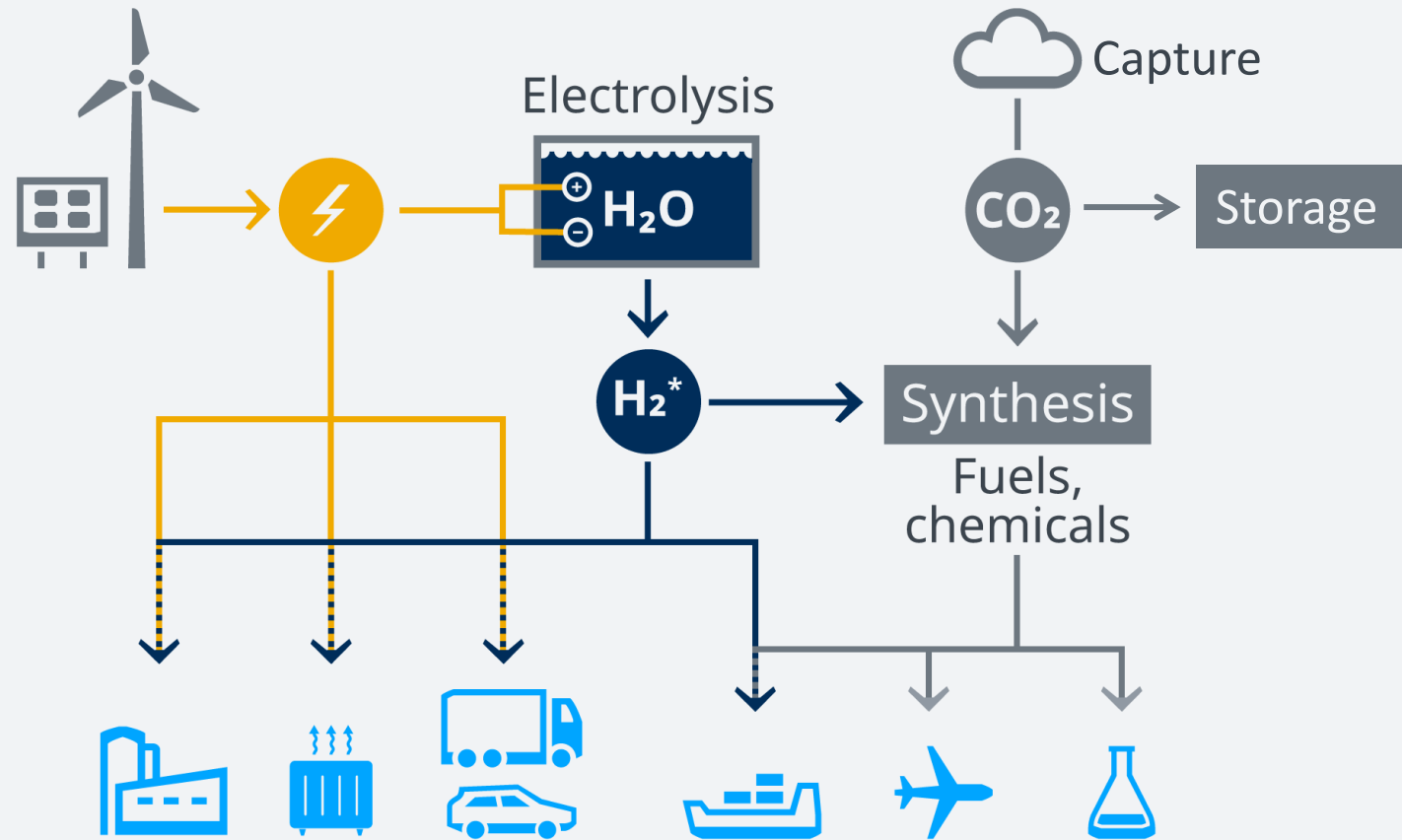
Evida – the national gas distribution system operator

- 18.000 km pipeline infrastructure
- Mix of natural gas and biogas
- 400.000 customers on grid
- Biogas equal to 25% of total DK gas consumption in 2021
- Goal is 100% in 2030



Visions for onshore CO₂ infrastructure in Denmark

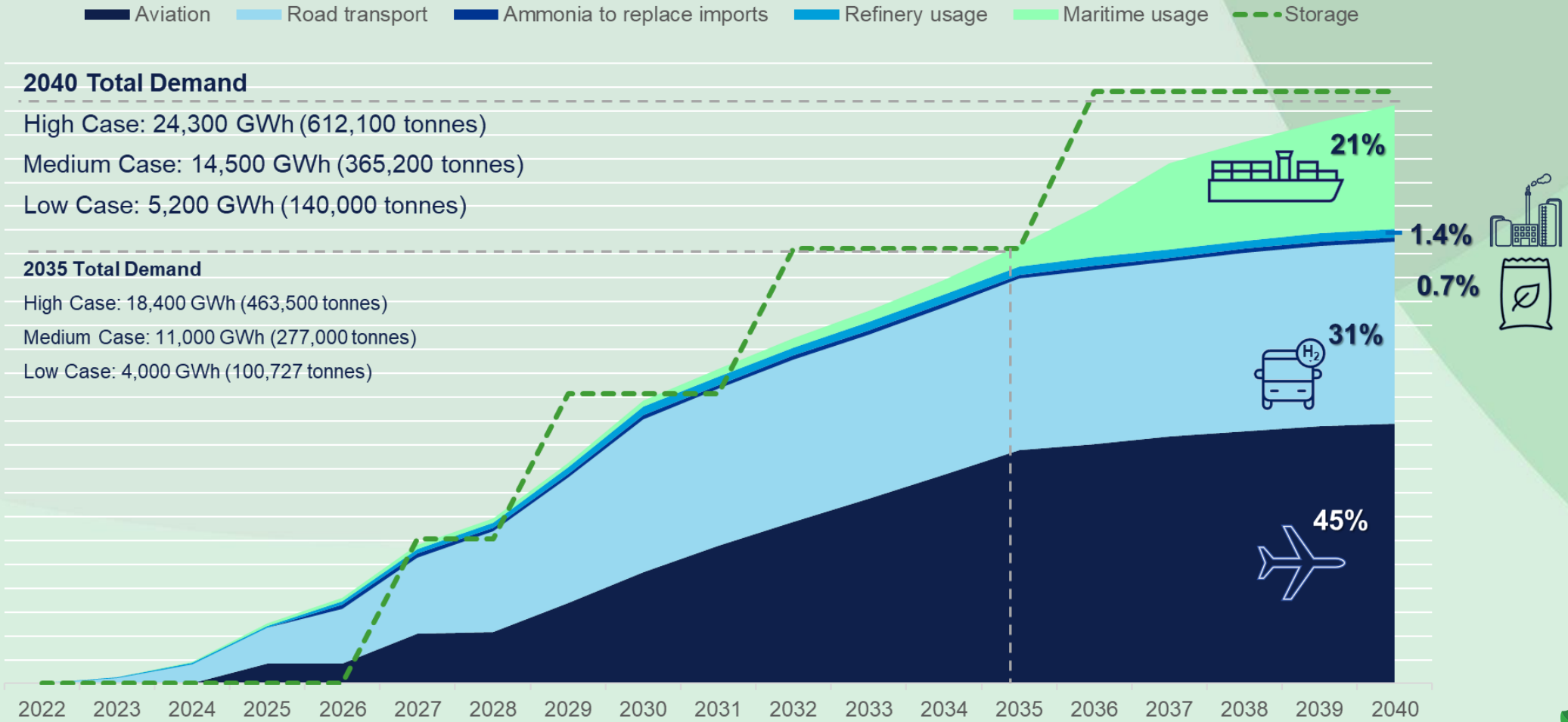
Power-to-x: carbon-neutral fuels

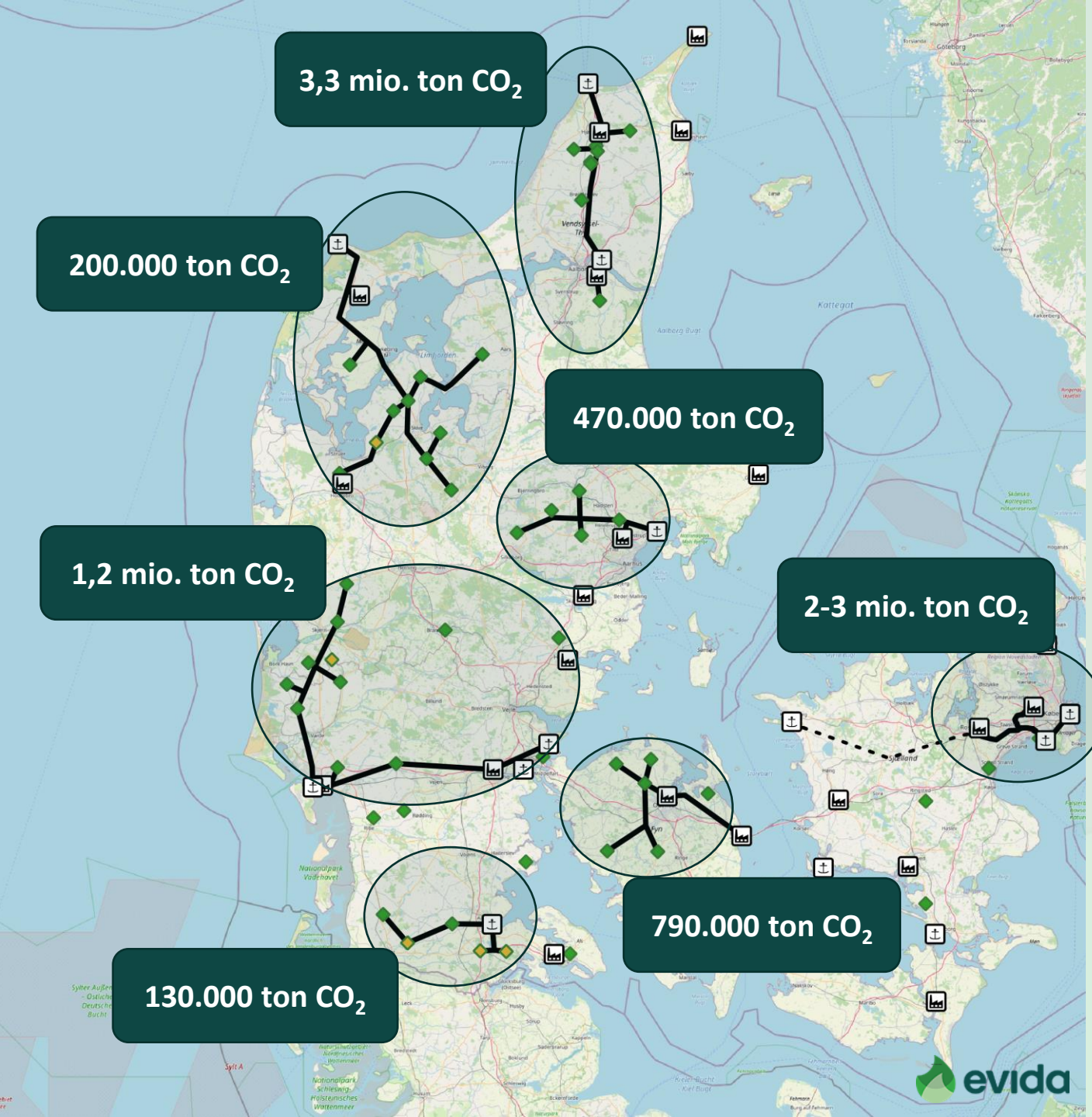


Adapted from DW

CO₂ will play a major role in the future energy mix

3000 GWh equal to a full year production from Thor wind farm



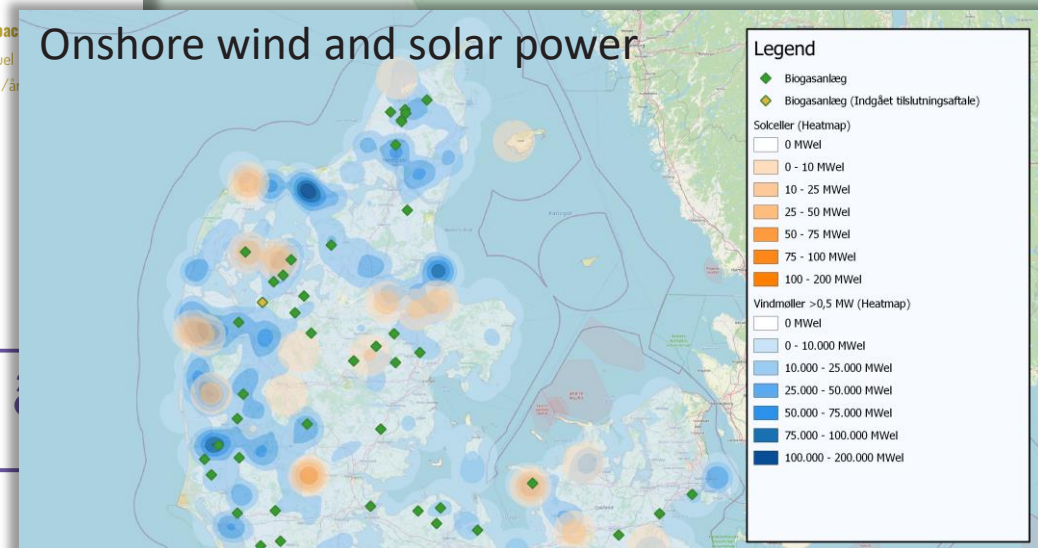
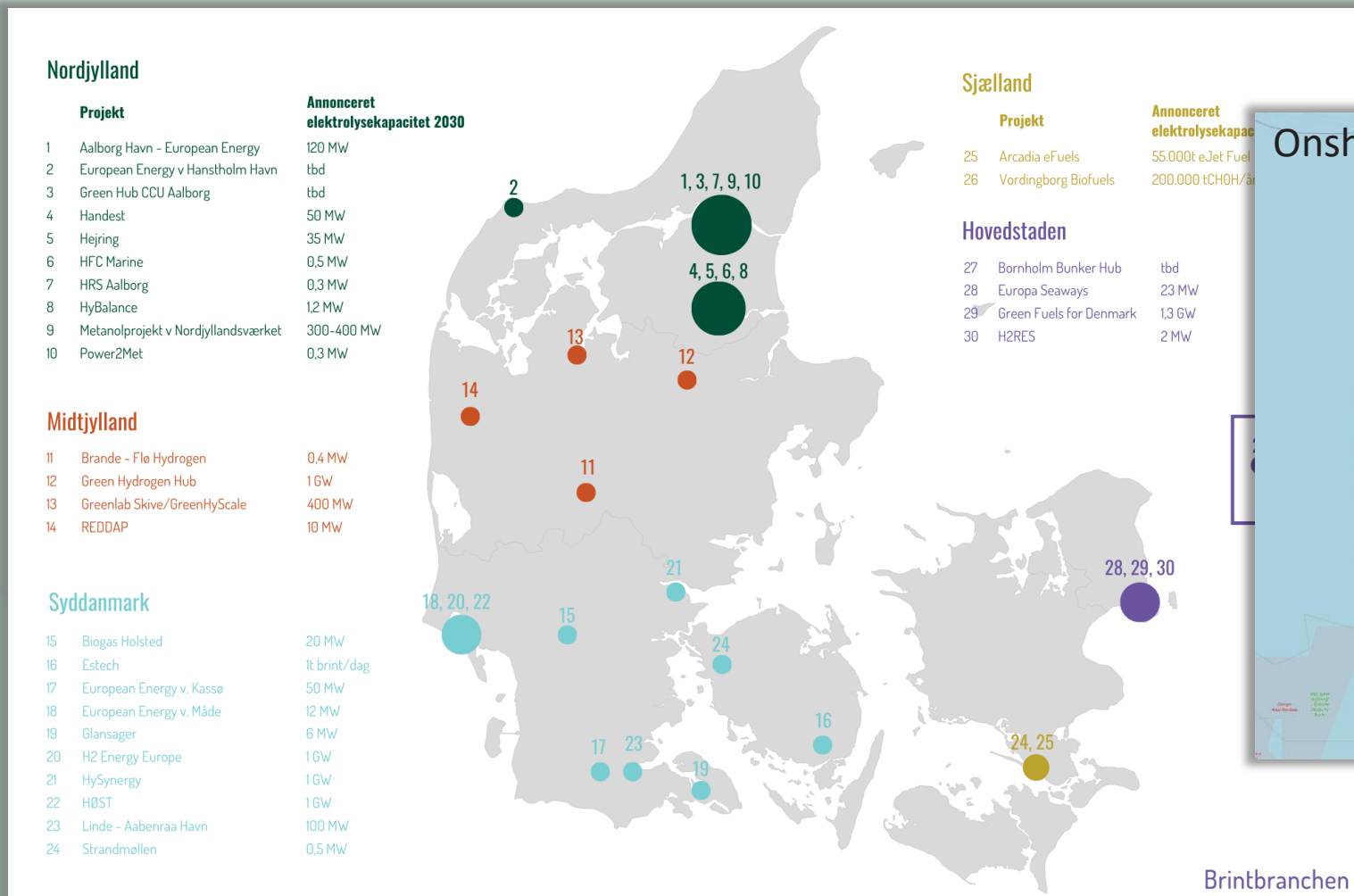


Onshore pipeline infrastructure for CCUS

- Potential of 9 mio. tons CO₂/year
- 6,5 mill. tons of biogenic CO₂ from incineration and CHP plants
- 800.000 tons CO₂/year from biogas plant

Synergies with a potential future hydrogen network

Developing a future hydrogen infrastructure based on sustainable energy sources, hydrogen production and consumption



2040



Potential future hydrogen infrastructure

- **Decentralised production** from the outset, supplying hydrogen at **approx. 35 barg**.
- **Decentralised consumption**, e.g. in a number of energy clusters
- **Organic development**, driven by producers and users
- **Two-way flow** following fluctuating energy production (solar, wind)
- Bringing CO₂ and hydrogen together for green fuel production

**Startup of
CO₂ marked
dialog in
week 40**

**Open
positions at
evida.dk**

How can we help each other?

Thank you for your attention

Morten Poulsen | Head of PtX and Pilot Projects
M: +45 2519 5579 | mopou@evida.dk

