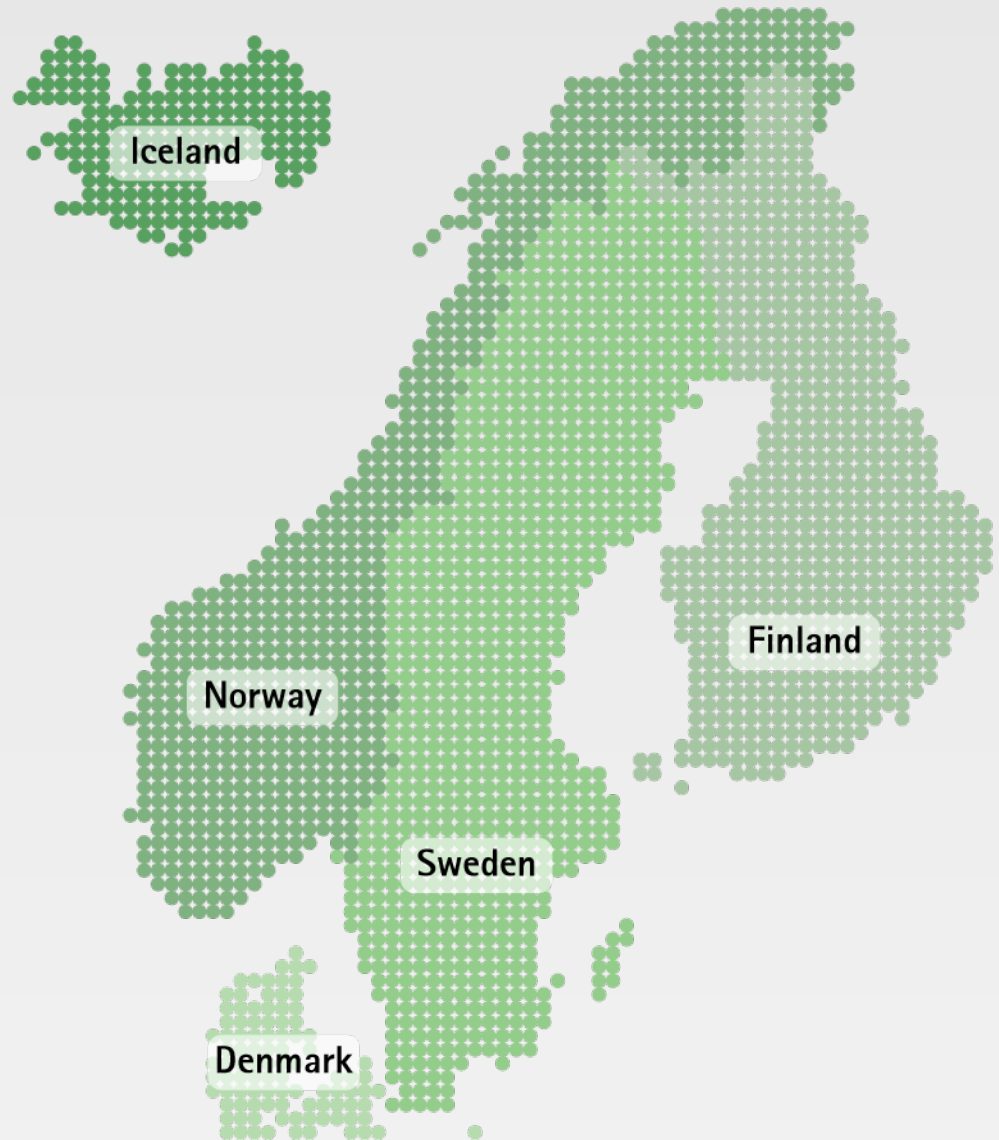




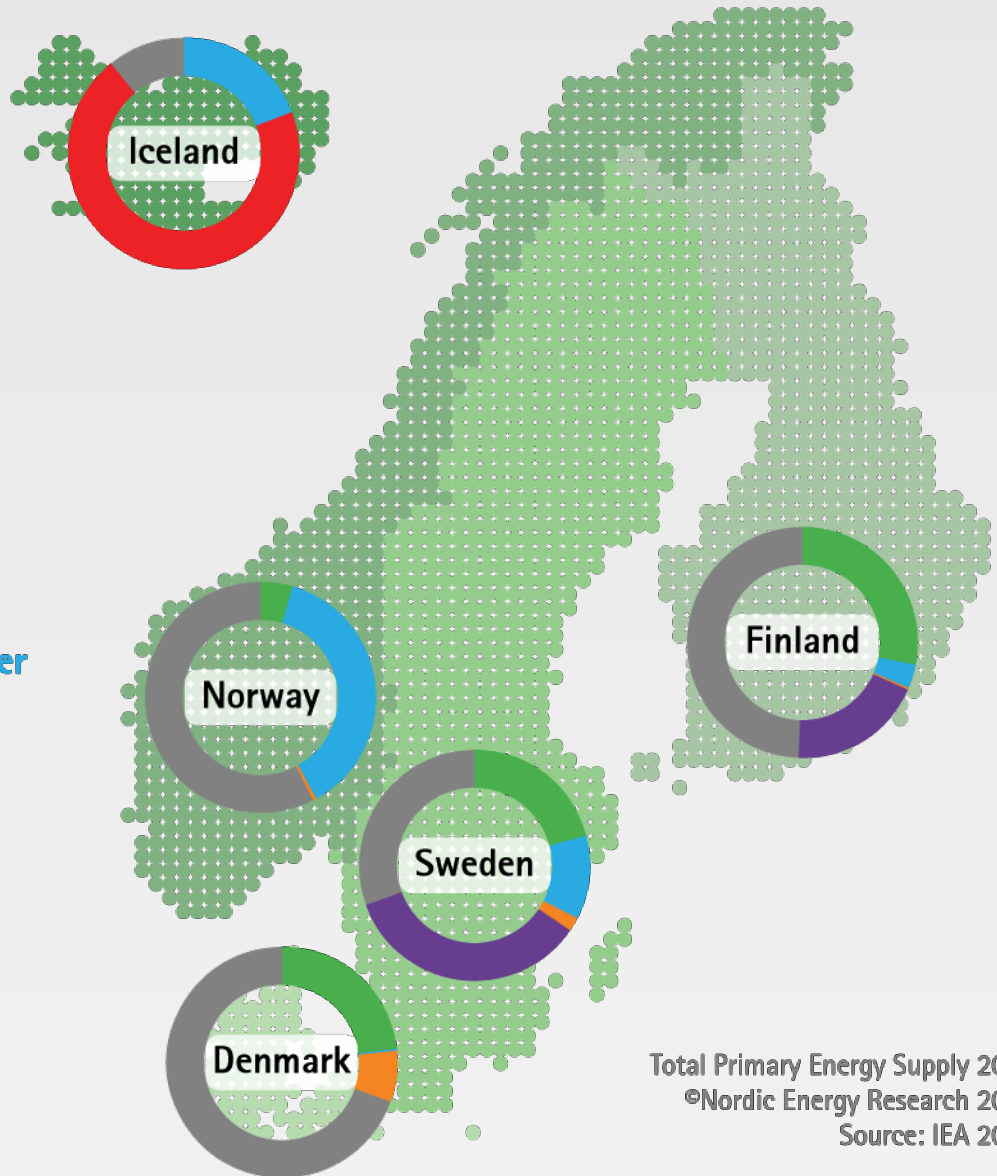
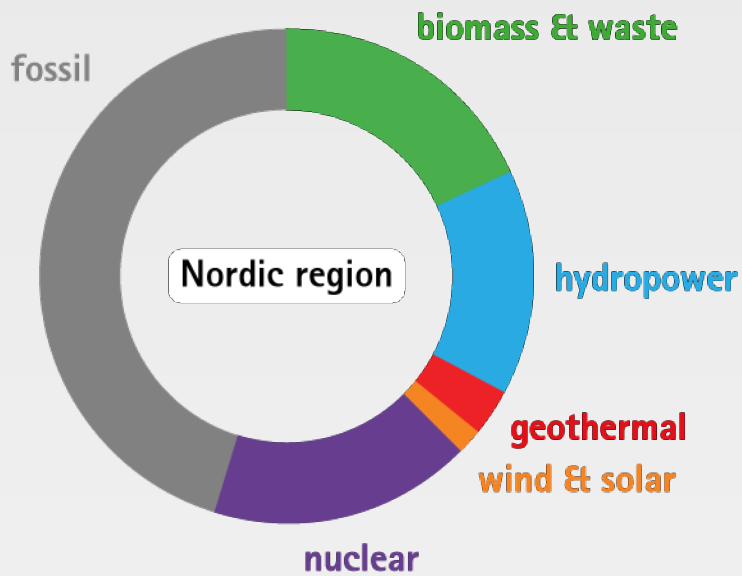
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Hans Jørgen Koch
Executive Director
Nordic Energy Research



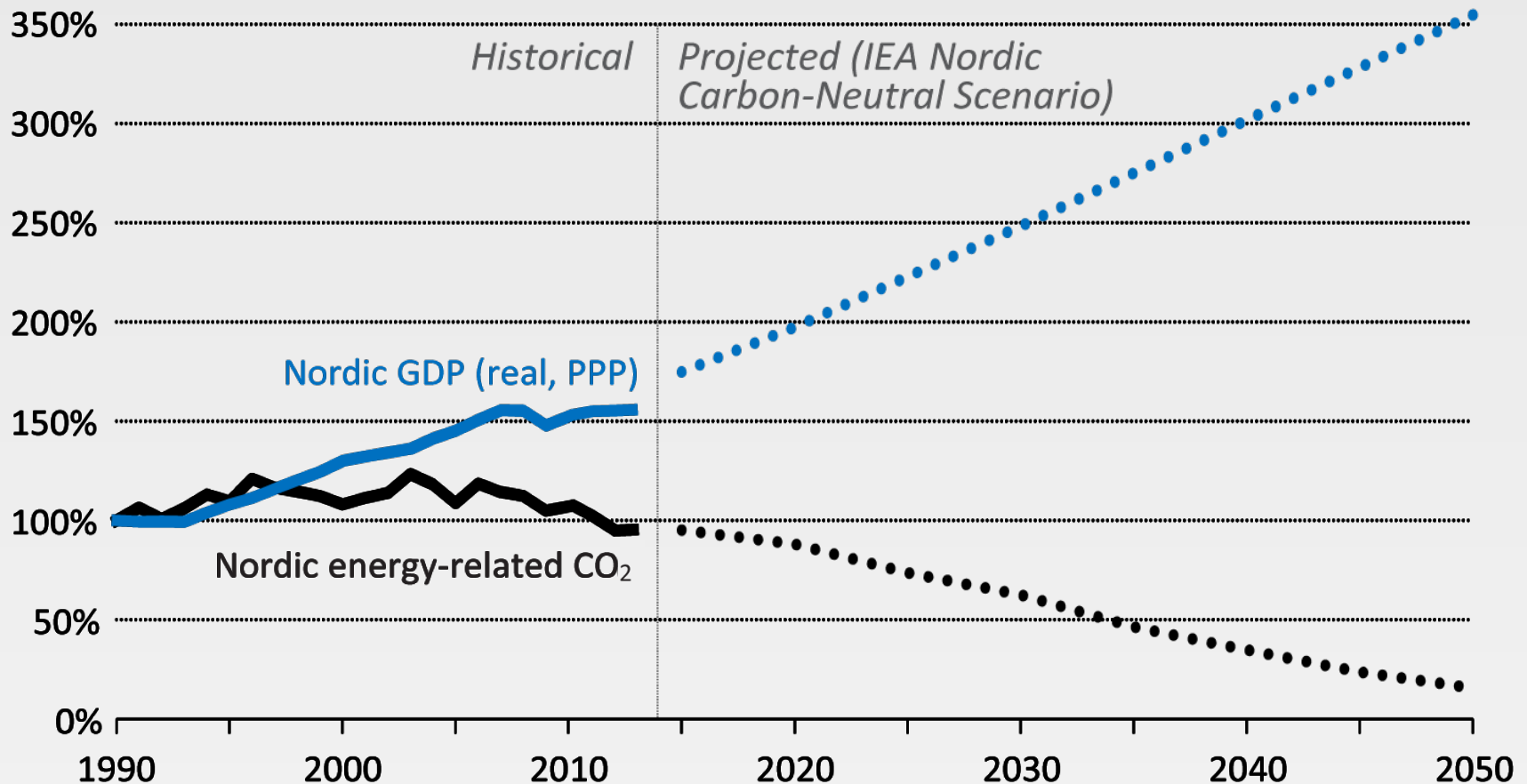
The Nordic energy mix



Total Primary Energy Supply 2014
©Nordic Energy Research 2015
Source: IEA 2015

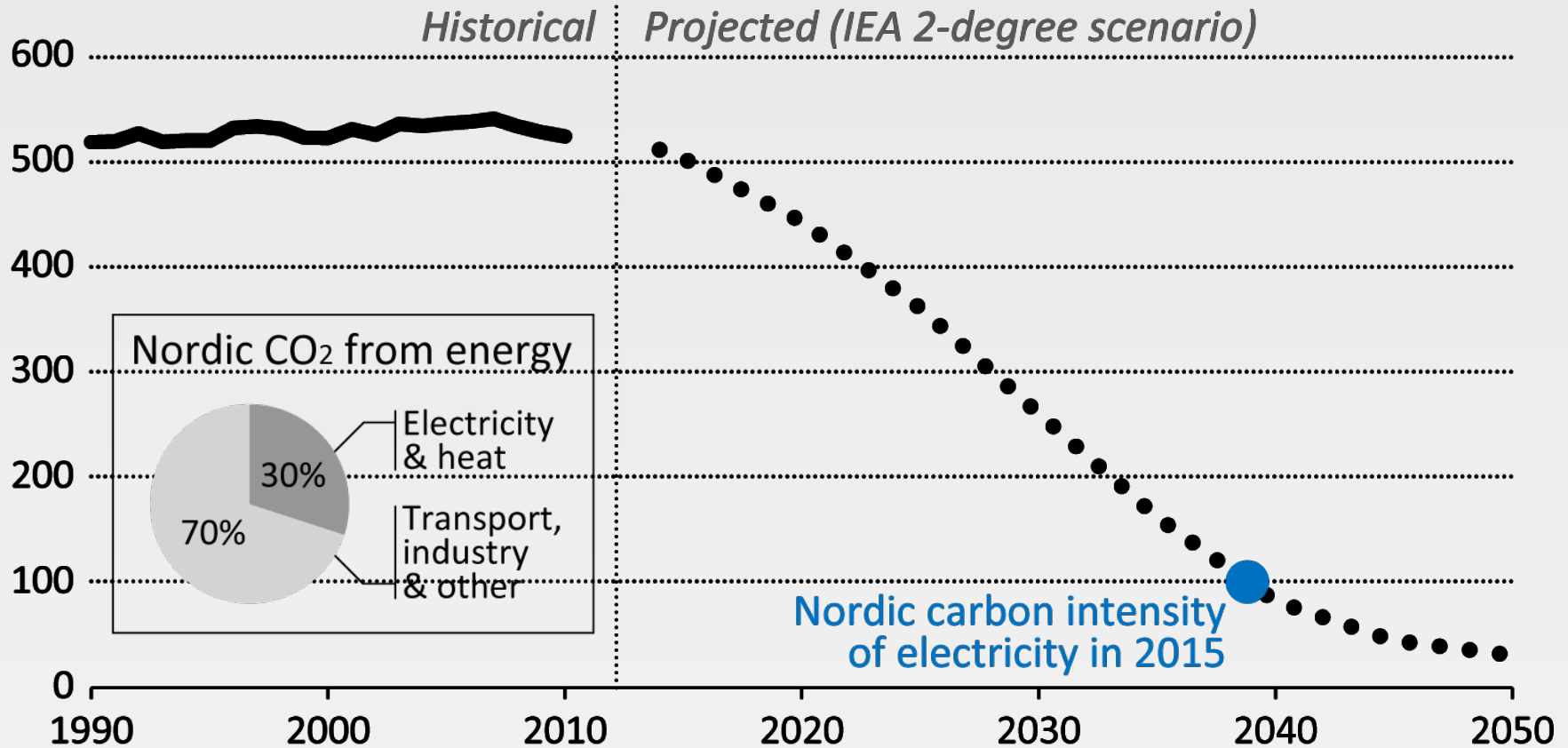
Two decades of decoupling

Nordic GDP and energy-related CO₂ emissions



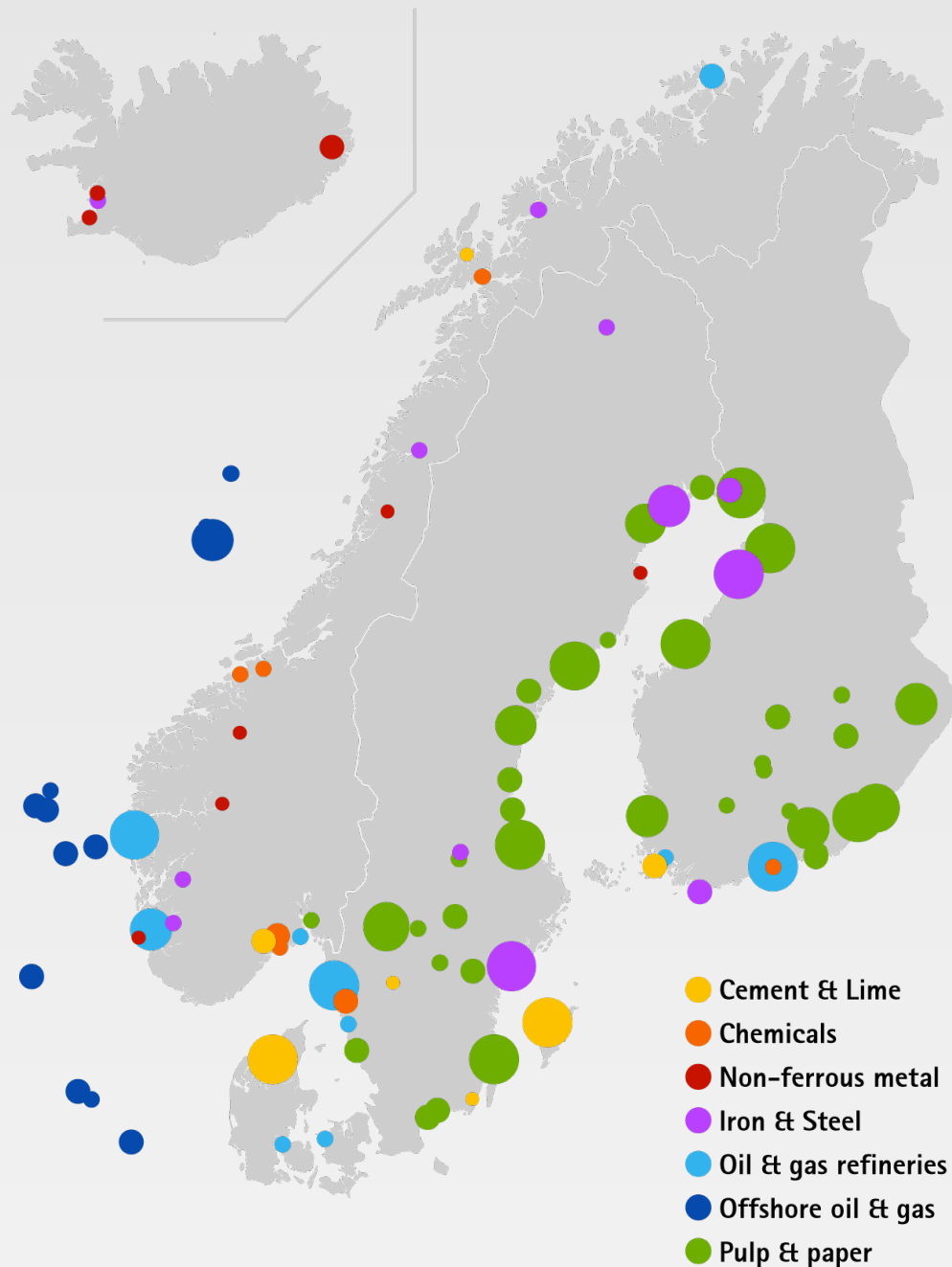
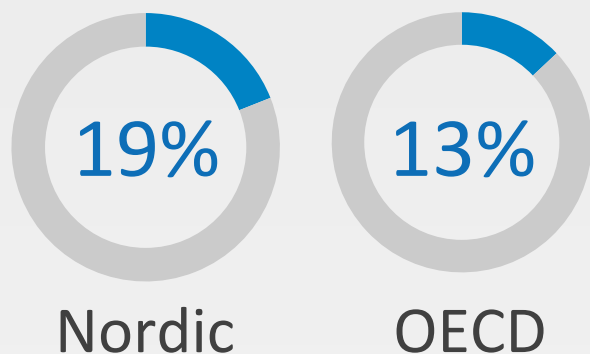
25 years ahead in electricity

Global carbon intensity of electricity (gCO₂/kWh)



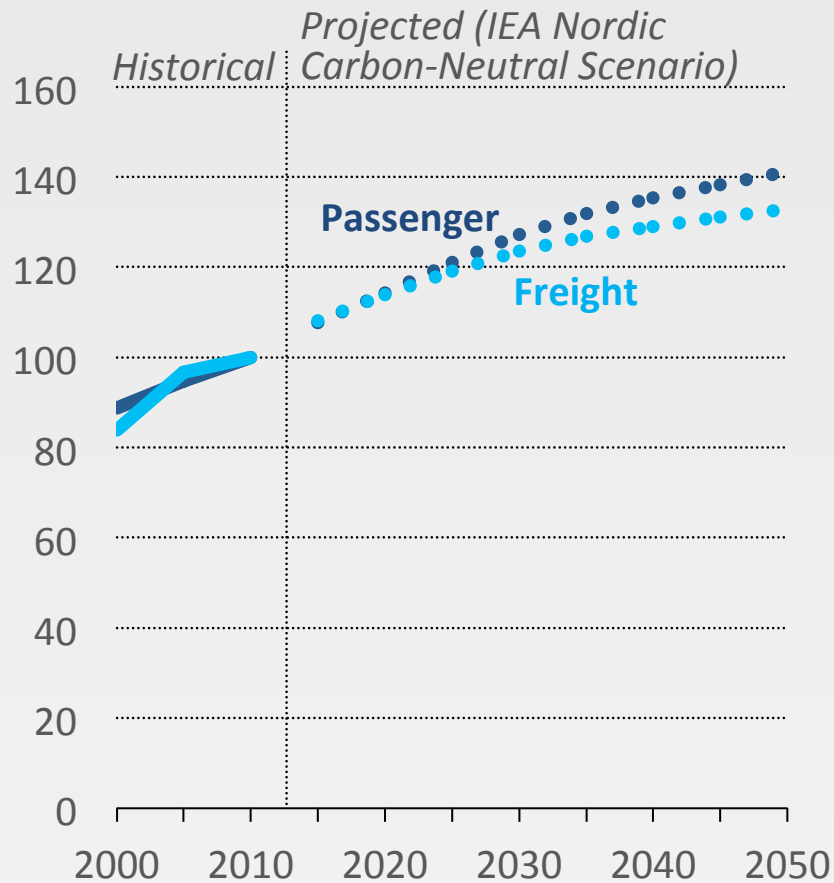
Industrial CO₂ emissions, 2011

Process emissions as a share of industrial CO₂ emissions

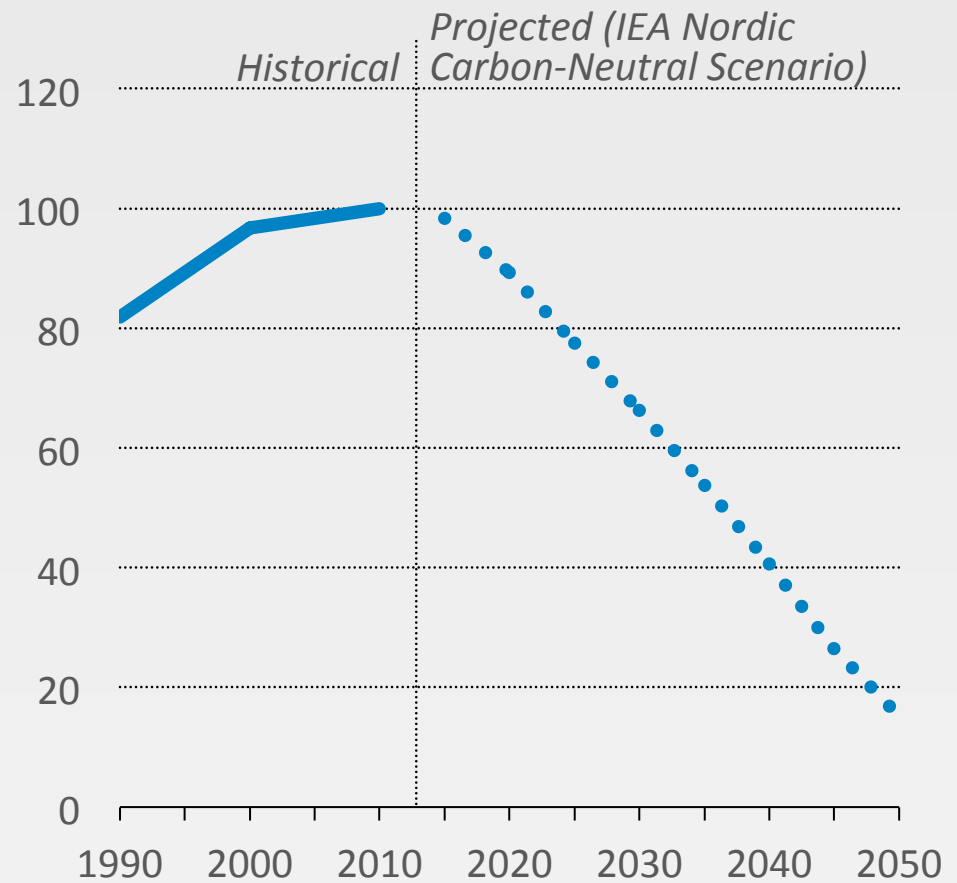


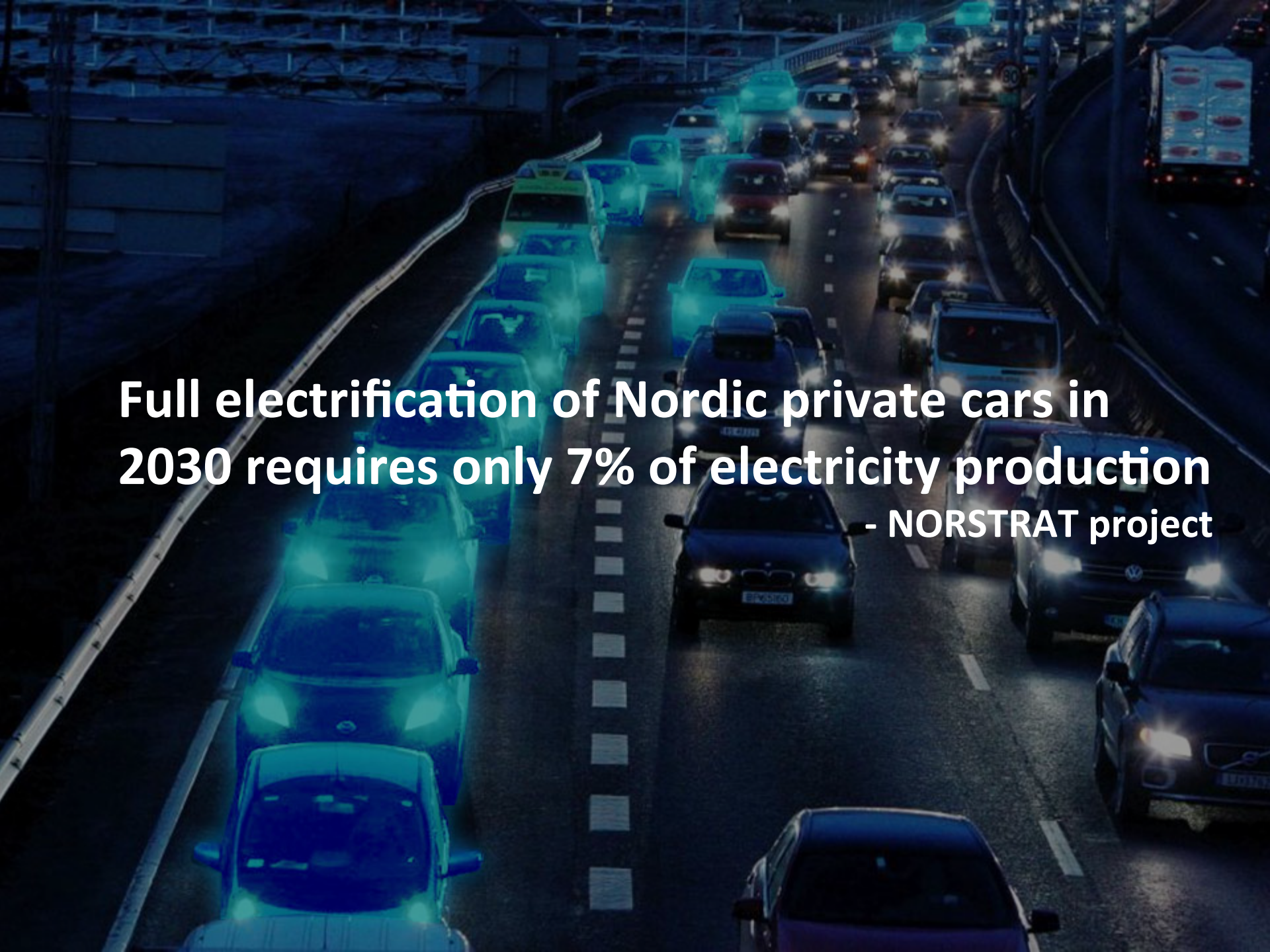
Source: IEA/NER 2016 (forthcoming), "Nordic Energy Technology Perspectives"

Nordic transport demand (indexed to 2010)



Nordic transport CO₂ (indexed to 2010)



An aerial night view of a multi-lane highway. The road is filled with cars, their headlights and taillights glowing. A line of cars on the left side of the road is highlighted with a red glow, while the other cars are in natural colors. The highway has multiple lanes separated by dashed white lines. In the background, there are some structures and more cars on the road.

**Full electrification of Nordic private cars in
2030 requires only 7% of electricity production
- NORSTRAT project**

An aerial photograph showing a vast storage yard for harvested timber. The yard is filled with numerous long, neat stacks of logs, arranged in rows that stretch far into the distance. A yellow excavator with a hydraulic arm is positioned in the lower-left area of the log stacks. The background consists of a dense, green forest under a clear sky.

A doubling of biomass output from Nordic forests is possible

- ENERWOODS project



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Thank you for your attention

More information at: www.nordicenergy.org