

Energy Balances by Energy Carriers, Sectors and Application Types for European Countries

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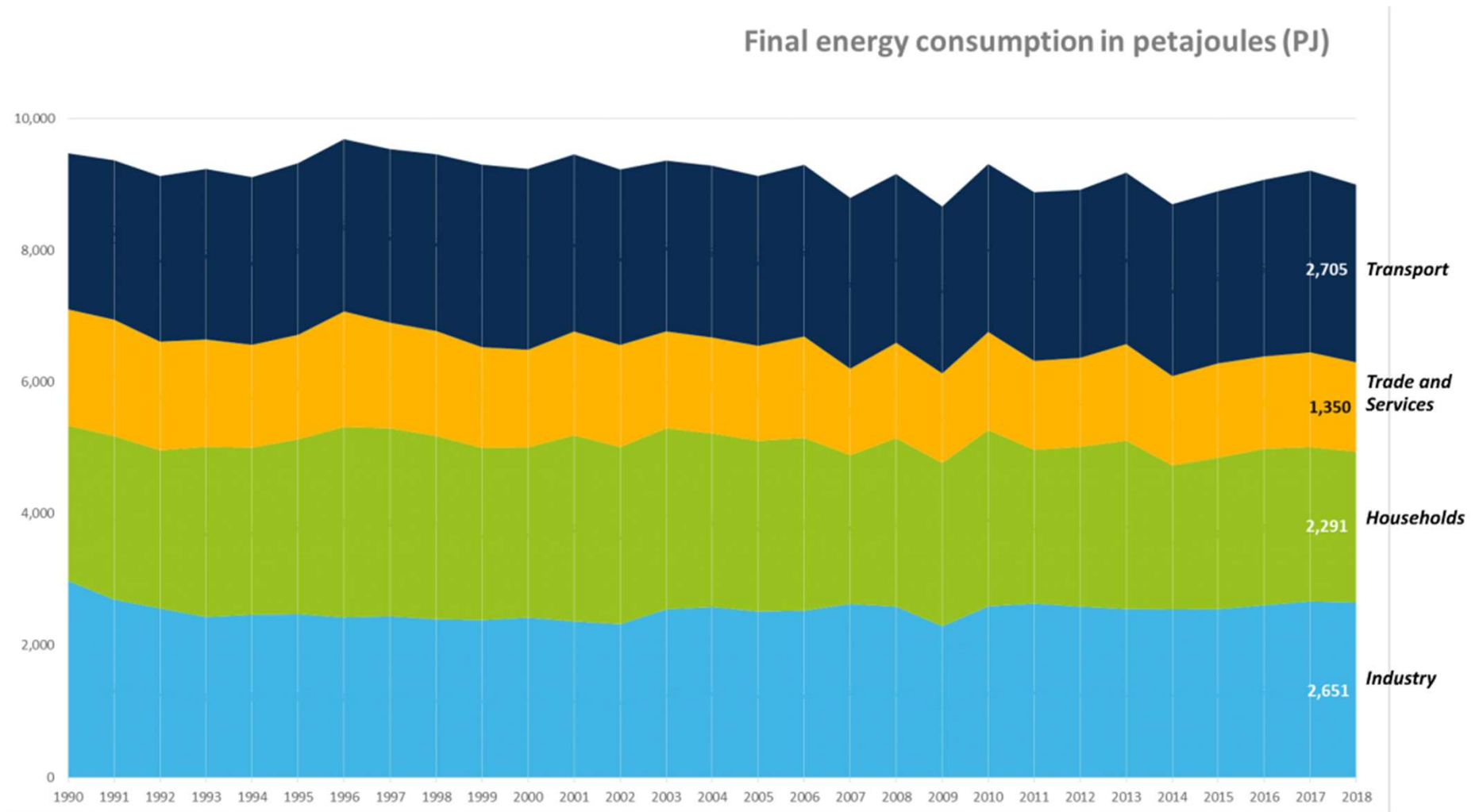
CAETS Energy Committee Meeting

2021

FfE Forschungsstelle für Energiewirtschaft Research Institute for Energy Economy

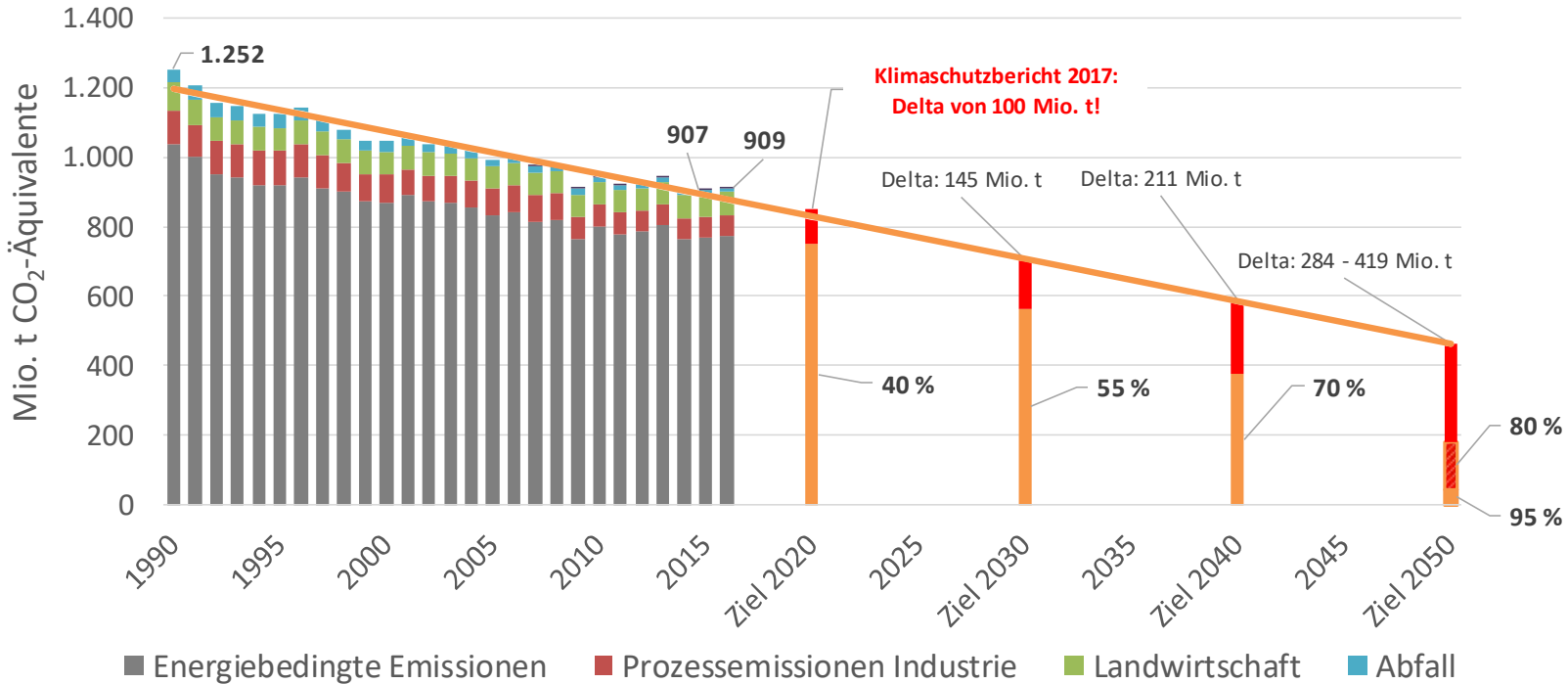


Application Balance - Sector Wise, Germany



Source: [AGEB 2020](#), [CEW](#)

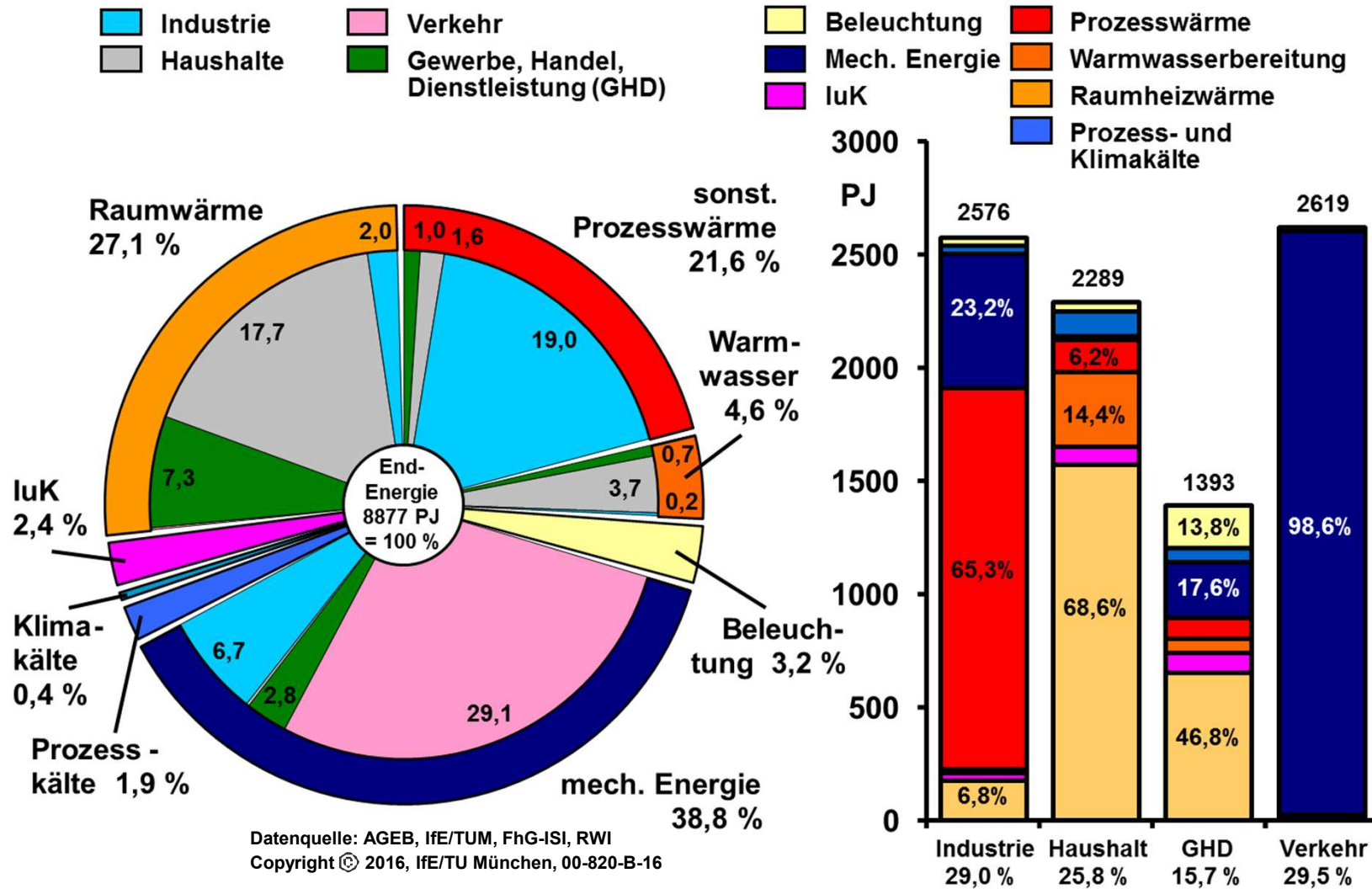
Germany's CO₂ reduction goals... can they still be reached?



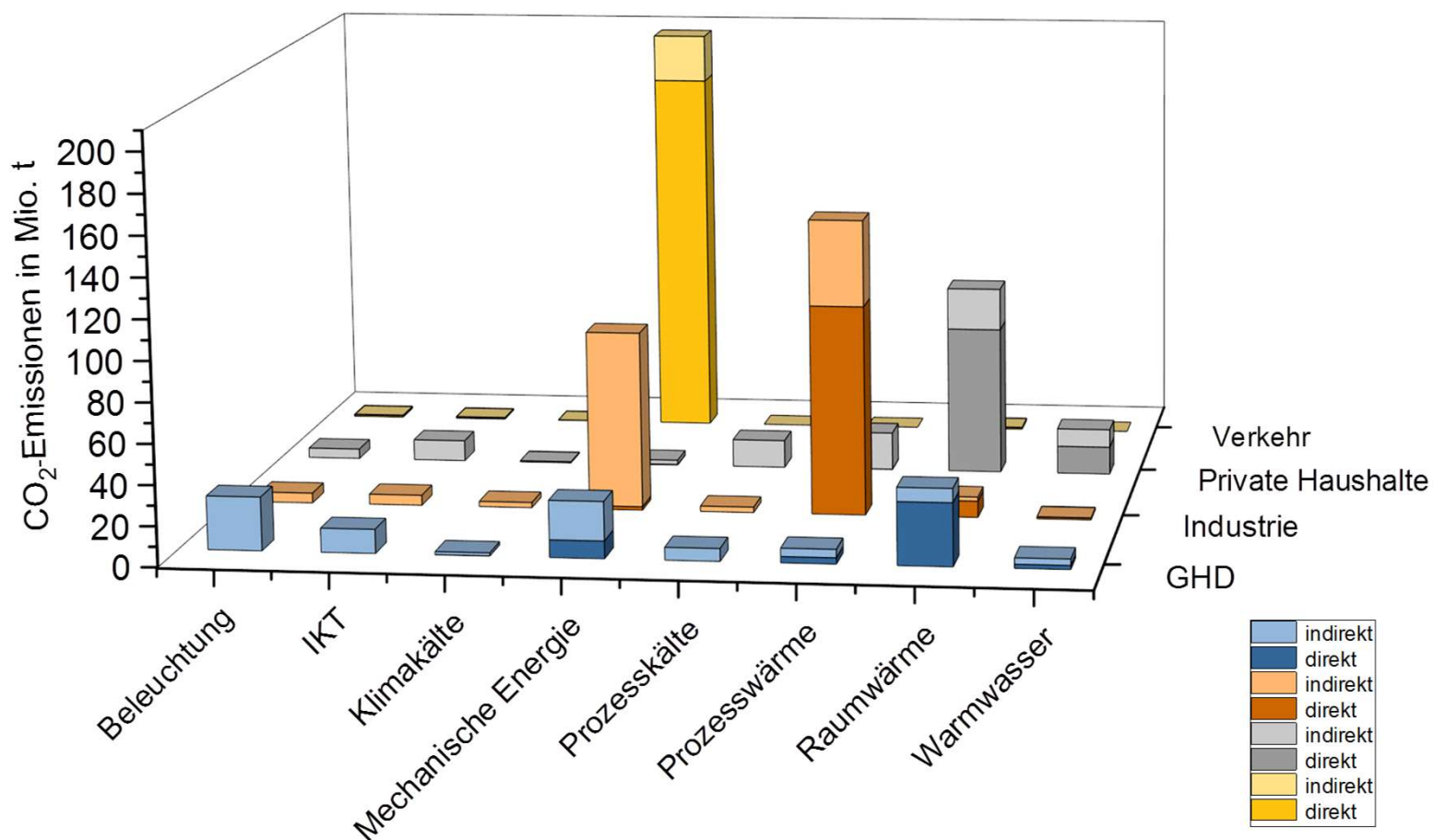
Quelle: Auswertung UBA Inventarbericht zum Kyotoprotokoll



Final Energy Consumption in Germany (2015)

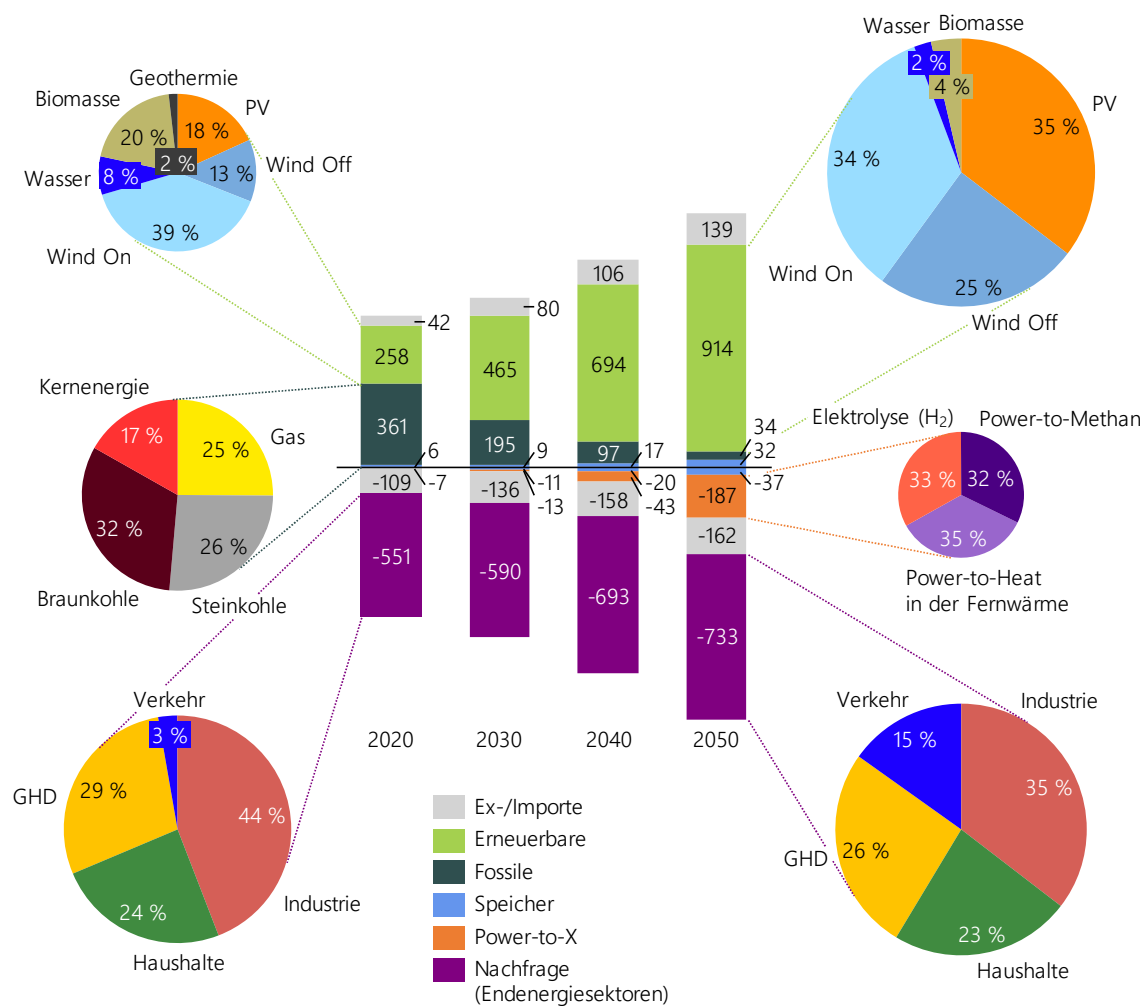


Energy related CO₂ emissions per sector and application types in Germany (incl. Energy sector)



Strombilanz fuEL

- EE-Anteil in 2030: 70 %
- In 2050: ~120 TWh der Stromnachfrage zur Erzeugung von Wasserstoff und Methan
- EE-Abregelung:
0,6 TWh in 2030
17 TWh in 2050 (1,8 %)
- Emissionskoeffizient **Elektrizität:**
357 → 195 → 27 kg/MWh
(2020 → 2030 → 2050)
- CCS: 53 mio. t CO₂/a in 2050



https://extremos.ffe.de/#what_if



EXTREMOS Project

www.ffe.de/xos/countryprofiles



Energy Country Profiles

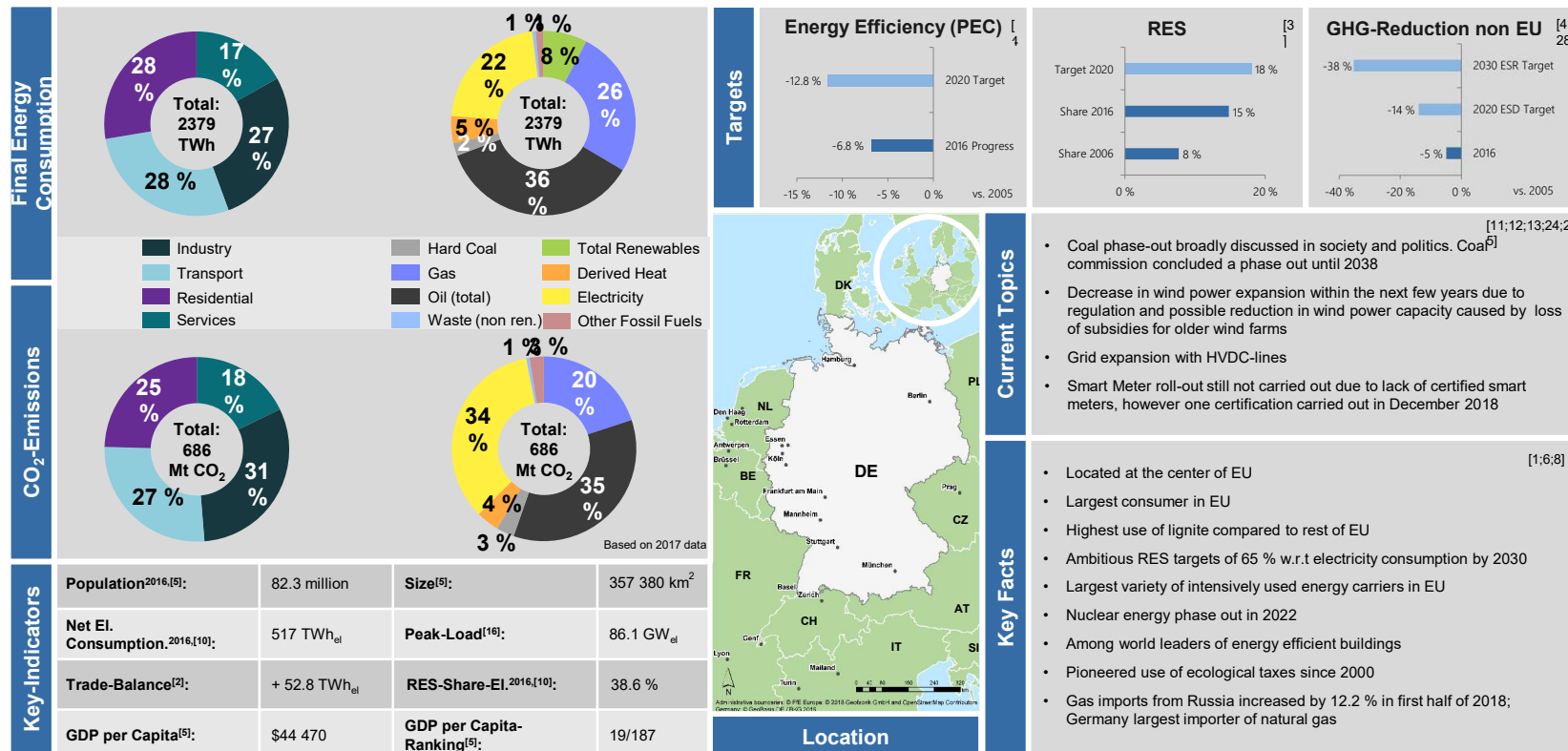


**Energy Country Profile
Germany**



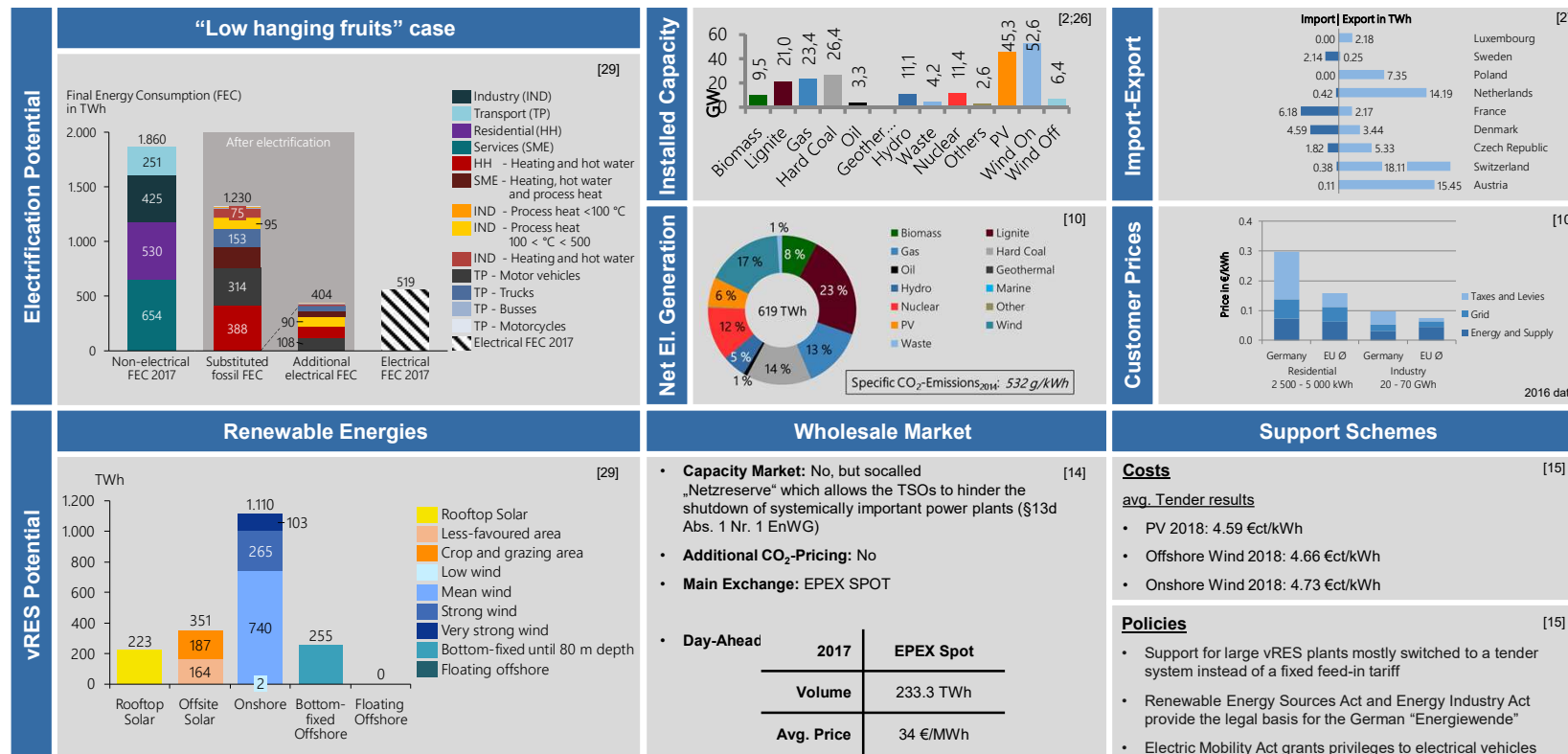
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Germany at a Glance



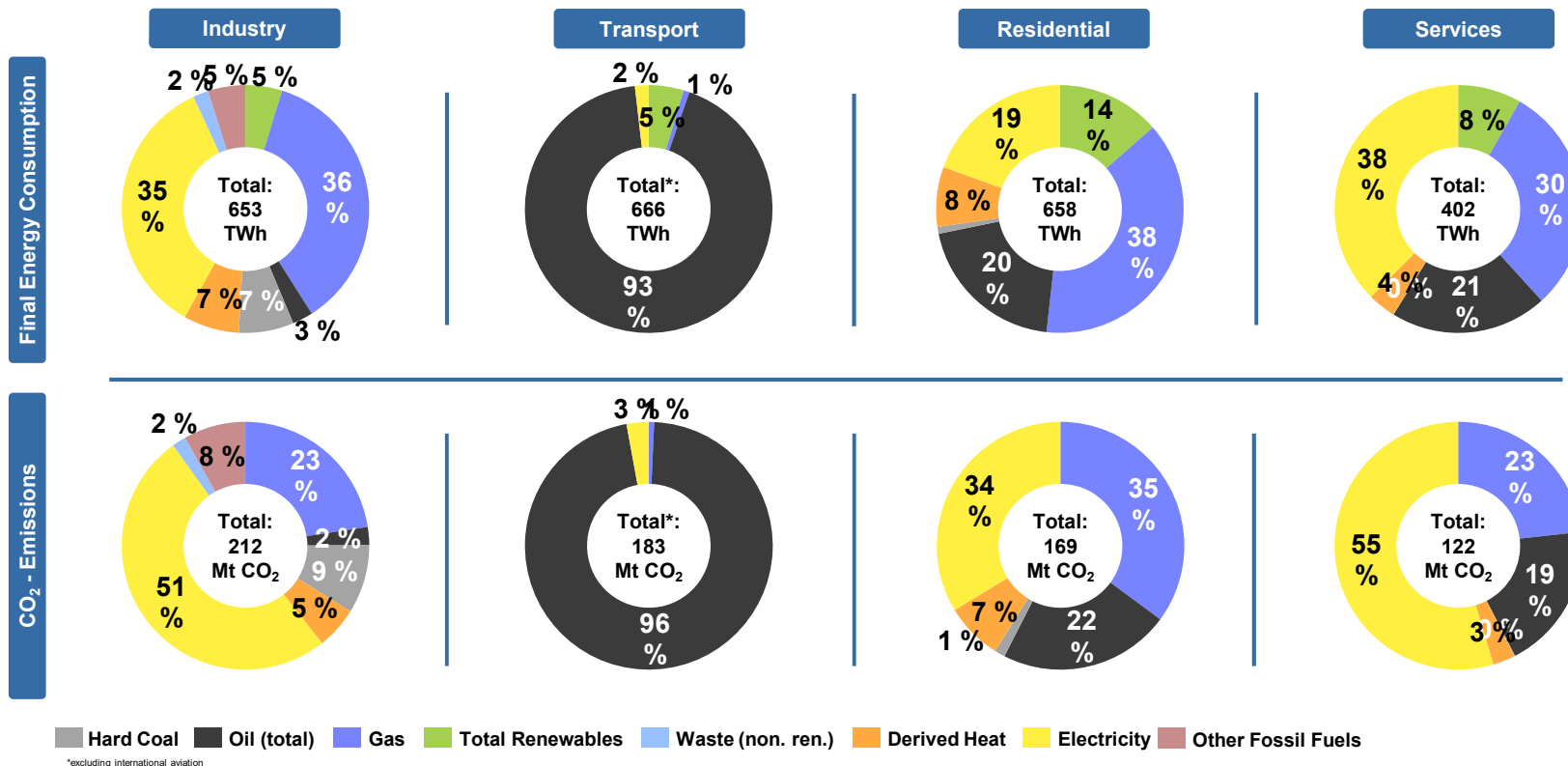
All evaluations based on the year 2017 if not mentioned otherwise.

Germany's Electricity Sector

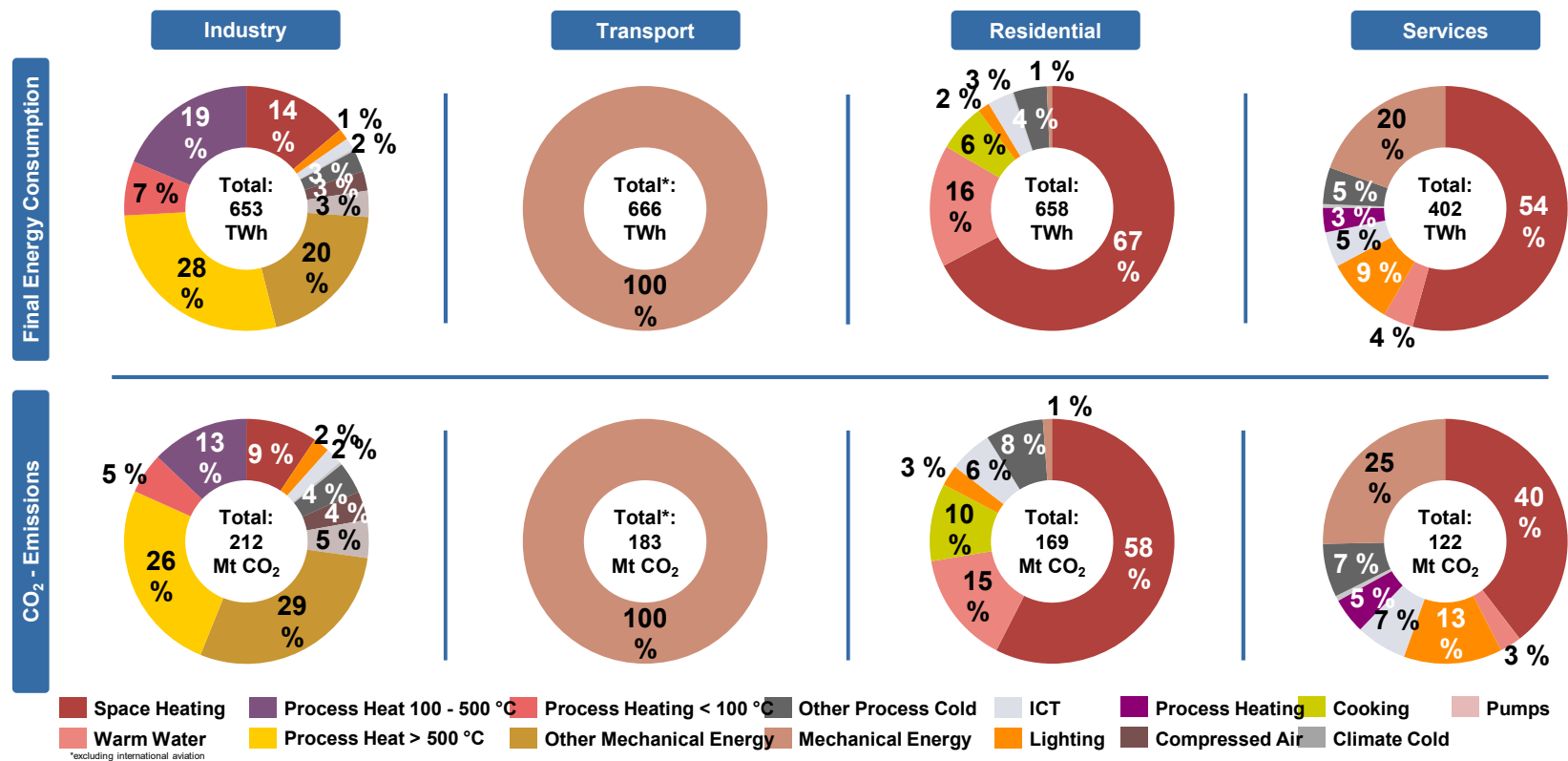



All evaluations based on the year 2017 if not mentioned otherwise.

Germany's Energy Consumption & Emissions by Sectors and Energy Carriers - 2017



Germany's Energy Consumption & Emissions by Application & Sector - 2017



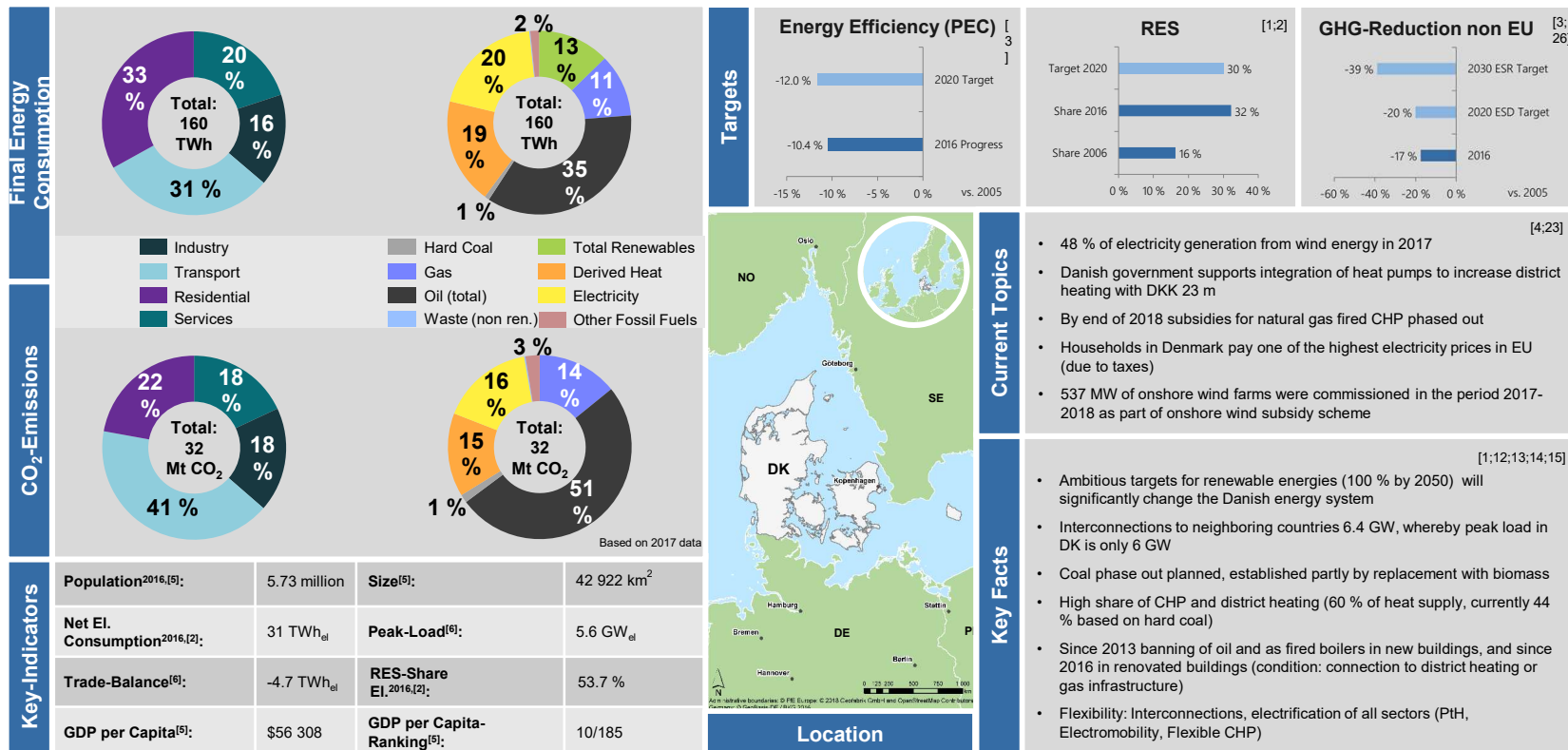


Energy Country
Profile
Denmark



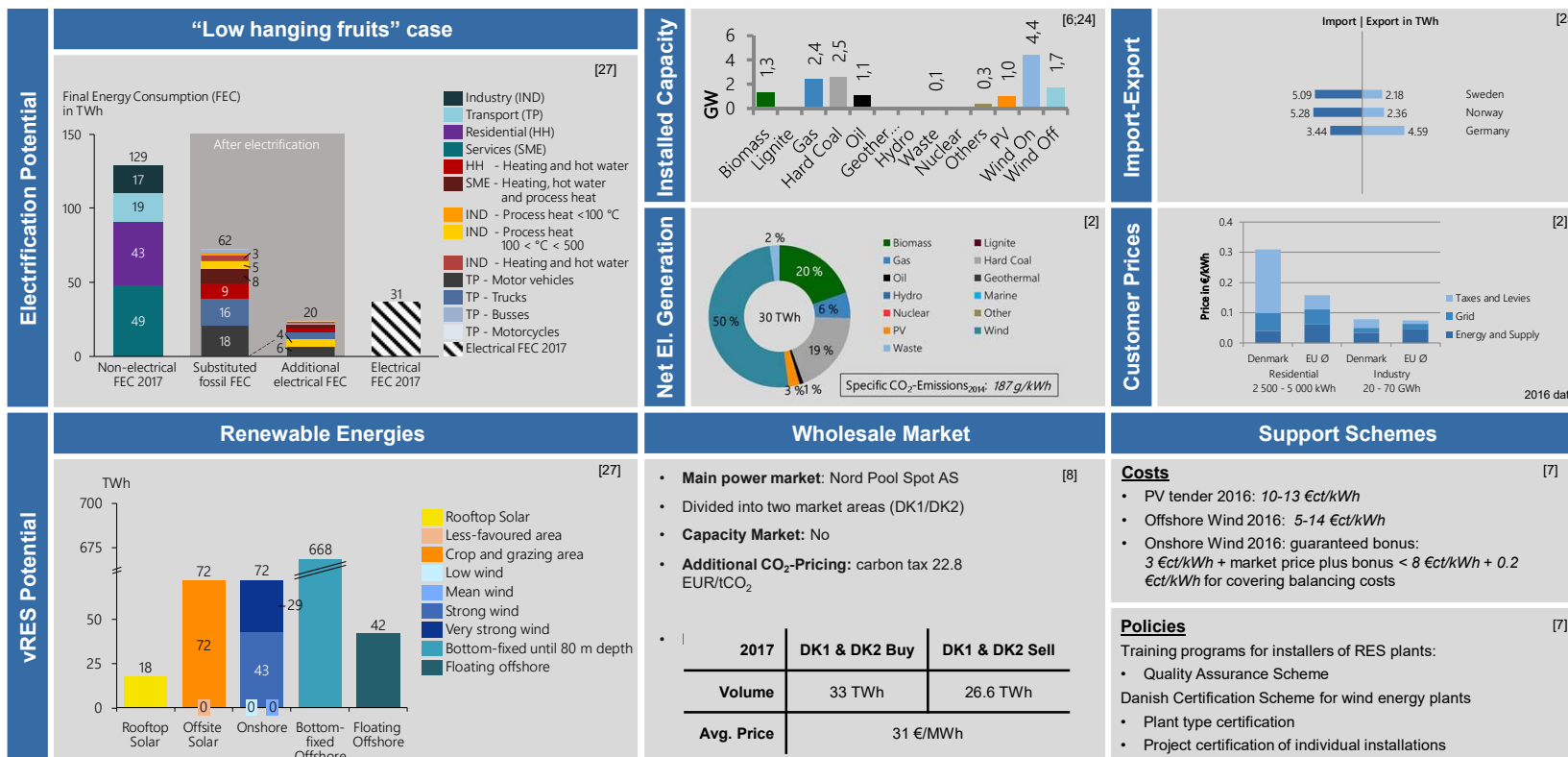
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Denmark at a Glance



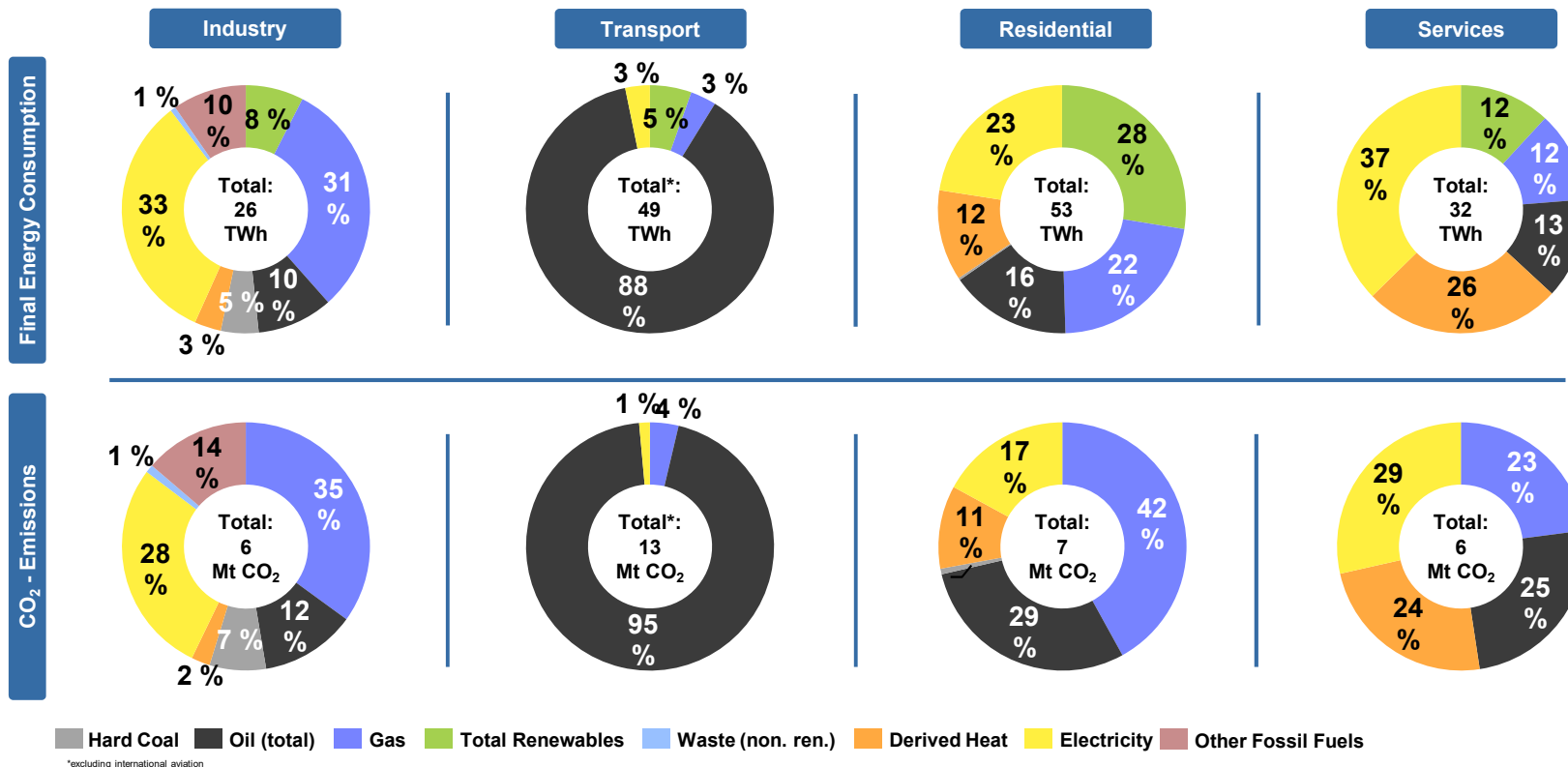
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Denmark's Electricity Sector



All evaluations based on the year 2017 if not mentioned otherwise.

Denmark's Energy Consumption & Emissions by Sectors and Energy Carriers - 2017

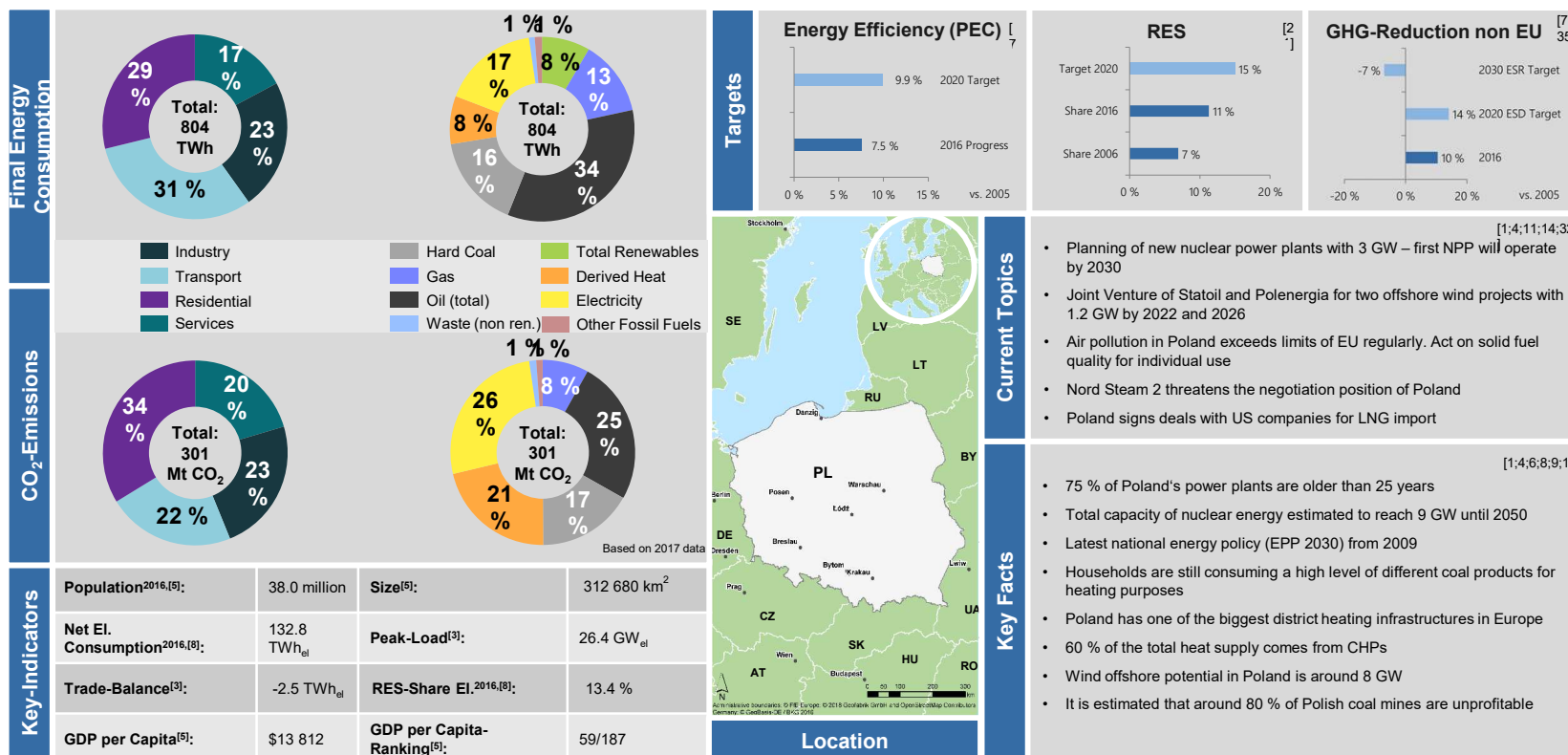




Energy Country
Profile
Poland

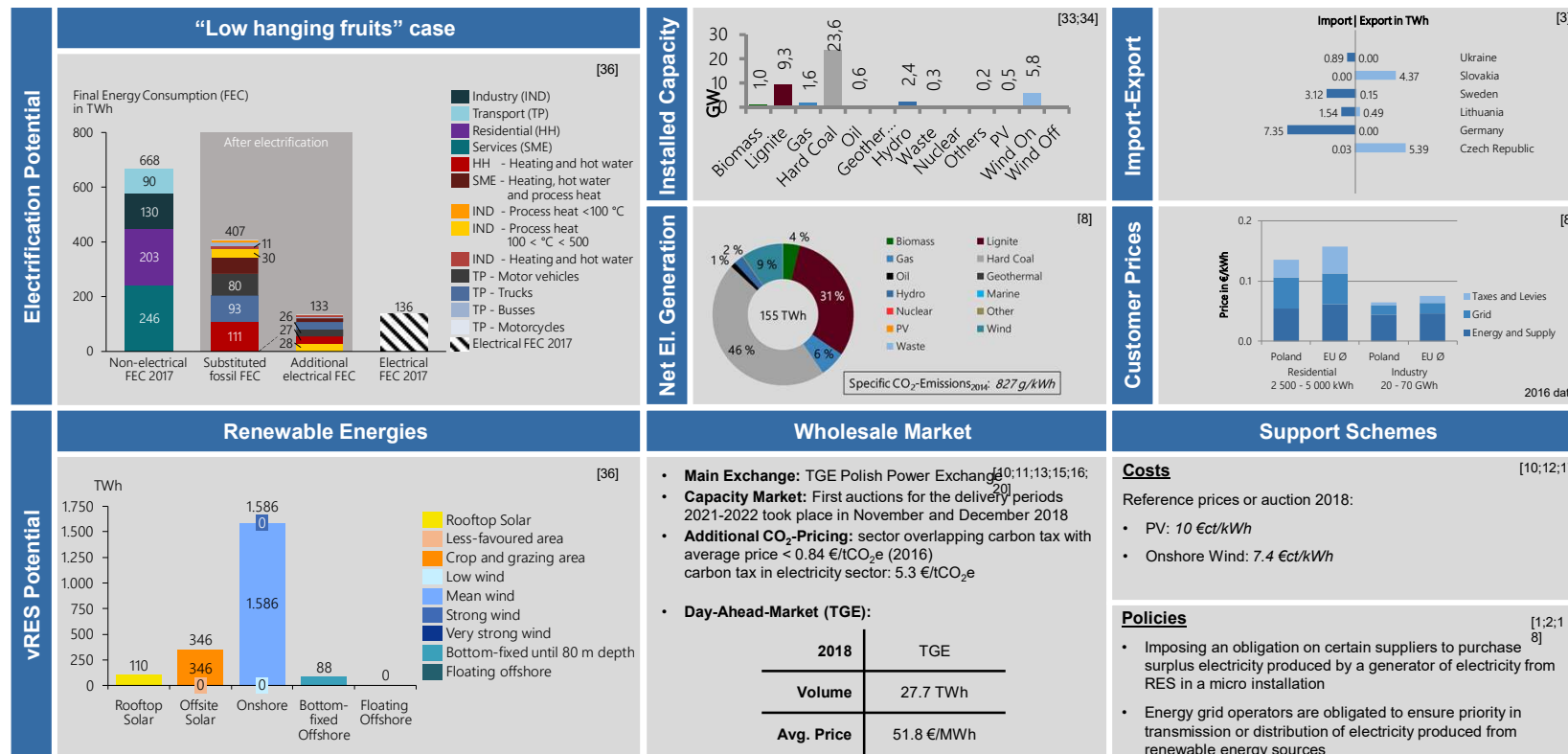


Poland at a Glance



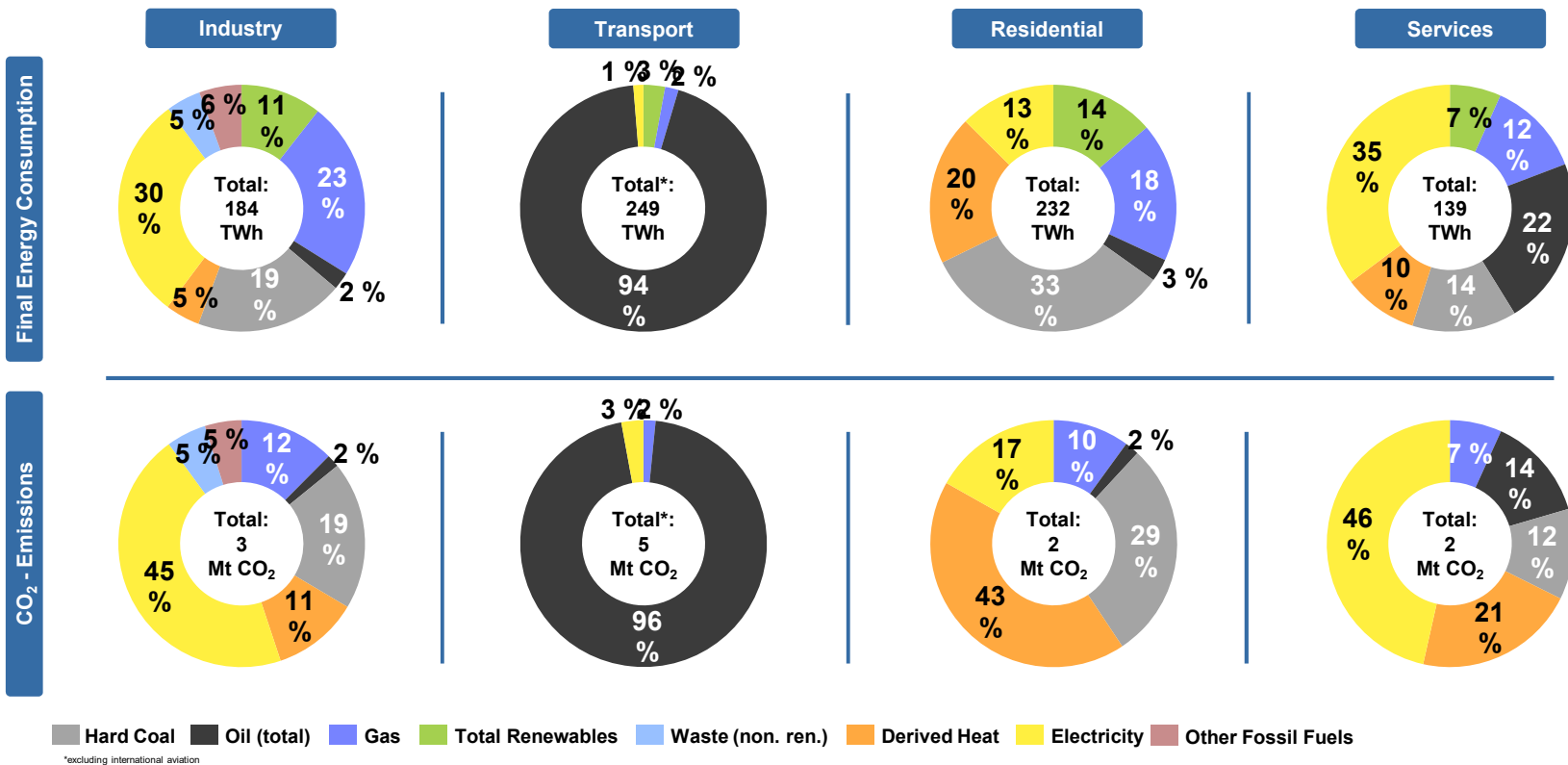
All evaluations based on the year 2017 if not mentioned otherwise.

Poland's Electricity Sector



All evaluations based on the year 2017 if not mentioned otherwise.

Poland's Energy Consumption & Emissions by Sectors and Energy Carriers - 2017



Poland's Energy Consumption & Emissions by Application & Sector - 2017



What could be the Value Added for the CAETS-Report?



Discussion

Ulrich Wagner

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CAETS Energy Committee
Meeting