



Federal Ministry
for Economic Affairs
and Energy



Energy Transition in Germany

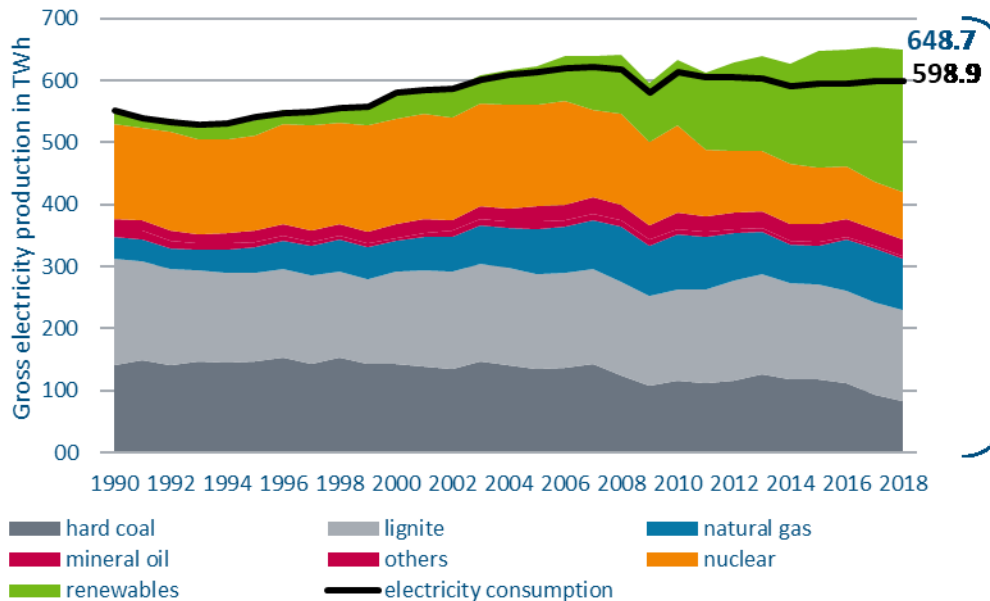
H.E. Dr. Ingo von Voss

Ambassador

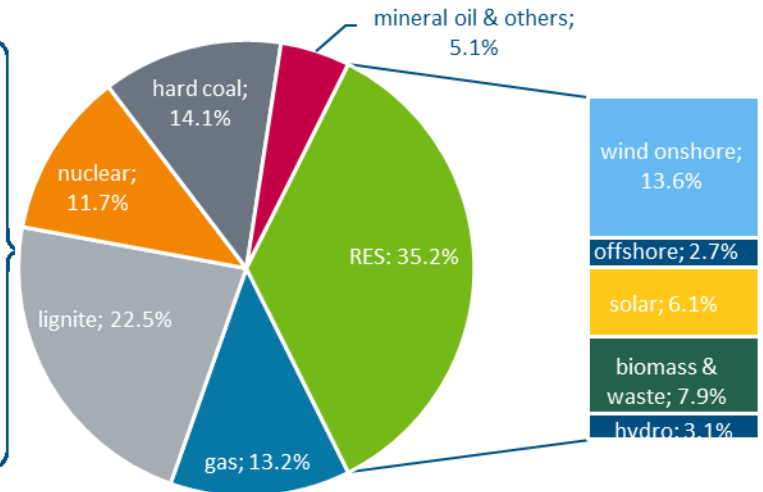
German Embassy, Montevideo

17 July 2019

Renewables have become Germany's No. 1 source of electricity

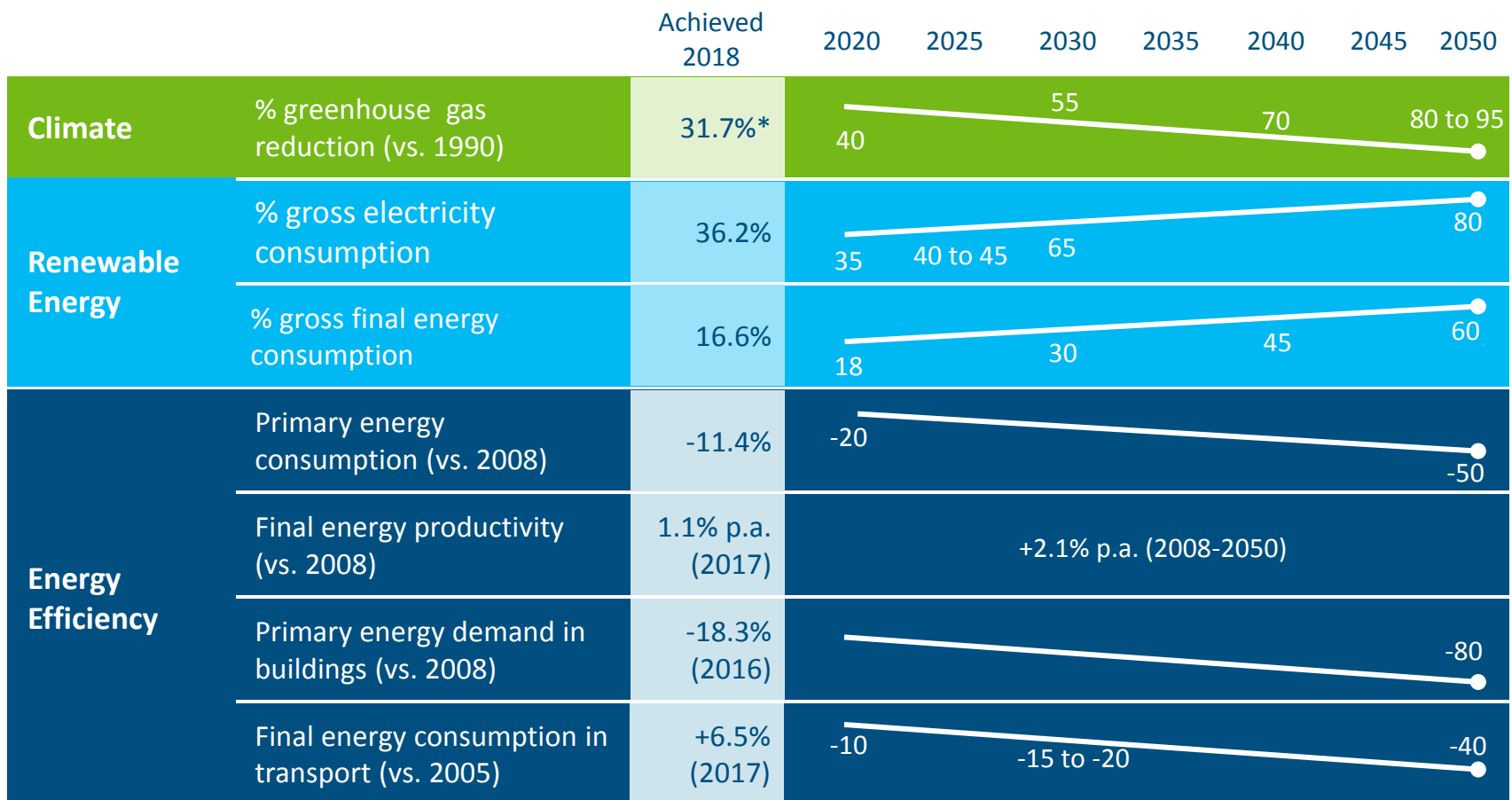


Electricity mix in 2018
(648.7 TWh in total)



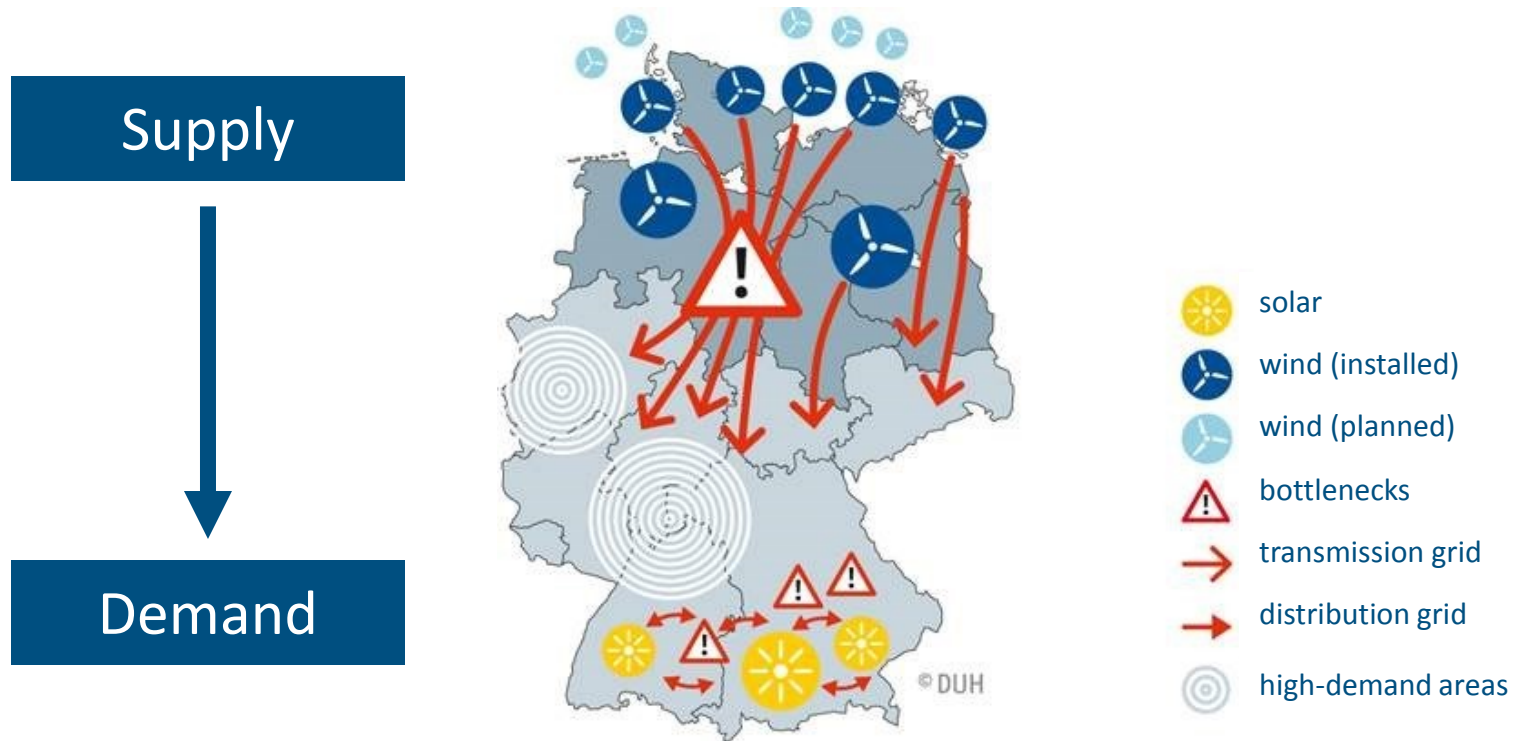
Source: Ecofys 2019 based on AGEF 2019 and BMWi 2019

The *Energiewende* is Germany's long-term energy and climate strategy



*Estimate by Agora Energiewende (2019). A report by the Federal Environmental Agency is expected for March 2019.

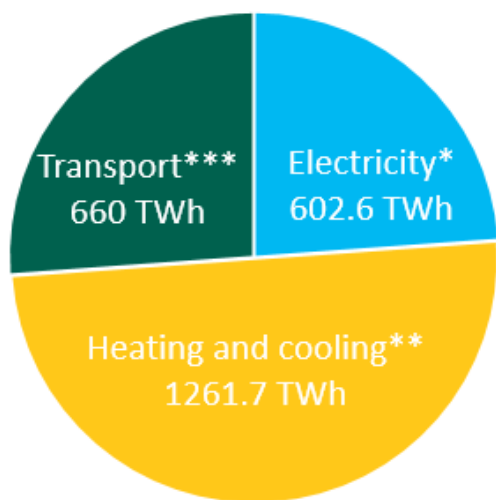
Improved grid connections between northern and southern Germany are required to prevent shortages



Source: DUH 2011

Electricity sector ahead of other sectors

Energy consumption in Germany in 2017: 2542.3 TWh



- * Gross electricity consumption
- ** Final energy consumption for heating and cooling
- *** Final energy consumption transport

Transport



Share of renewables: 5.2%
34.3 TWh

Electricity



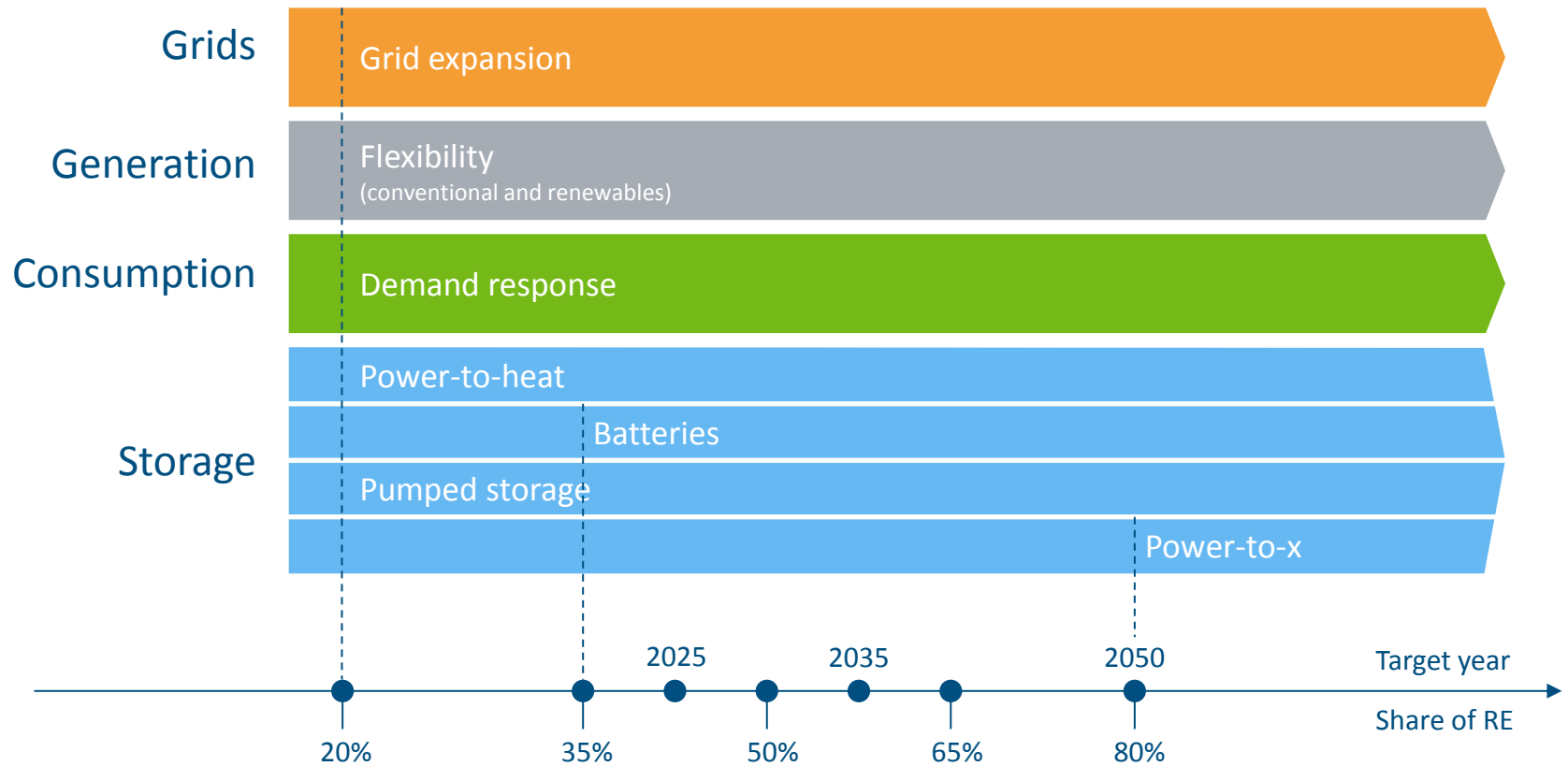
Share of renewables: 36.2%
218.1 TWh

Heating and cooling



Share of renewables: 12.9%
162.8 TWh

Flexibility options are key to making the system renewables-ready



Source: Ecofys 2016