



FEDERAL FOREIGN OFFICE

The ***ENERGIEWENDE*** –
Transformation of the German Energy System

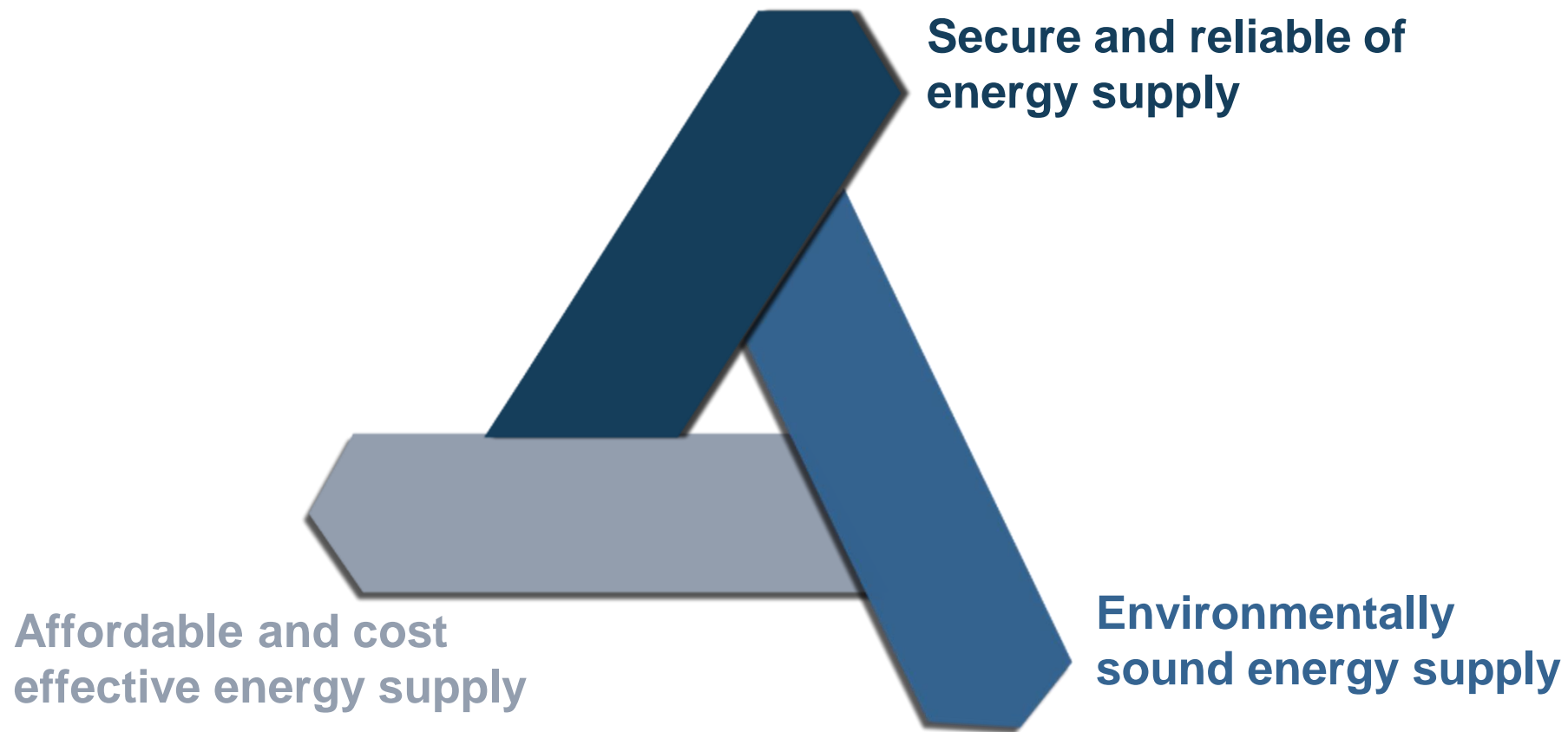
Renewable Energy - a tool for solving climate problems

REENCON, Moscow 14 October 2016

SPEAKER



Policy and guiding principles of the Energiewende



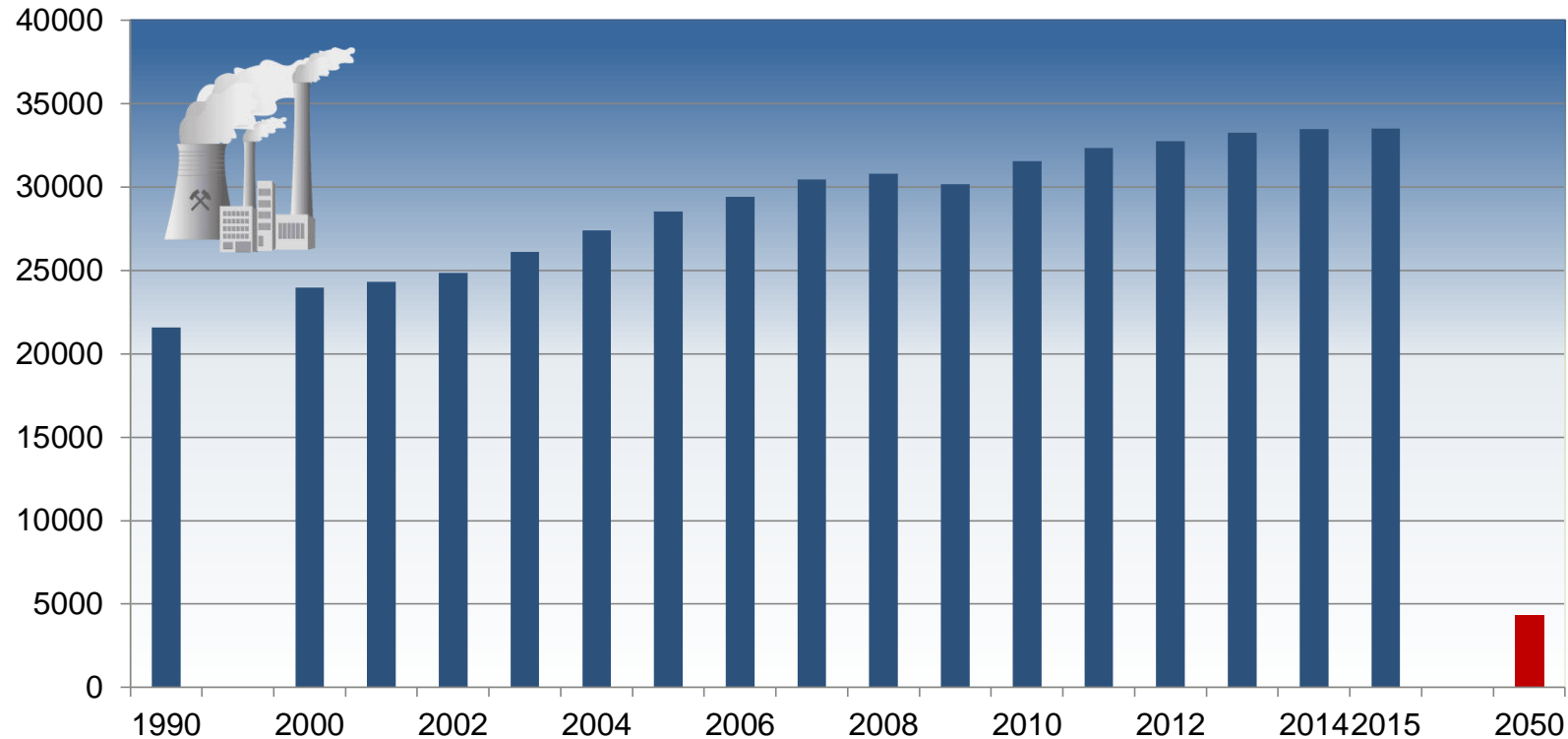
Affordability, reliability and environmental protection are interlinked and the ultimate objectives of the Energiewende and German energy policy.

Source: RENAC



Reducing CO₂ emissions – a global task

Global CO₂ emissions in MT CO₂



CO₂ emissions need to be reduced by 80-95% against pre-industrial levels until 2050 in order to limit global warming to 2°C.

Source: BP 2016



Five reasons for the Energiewende

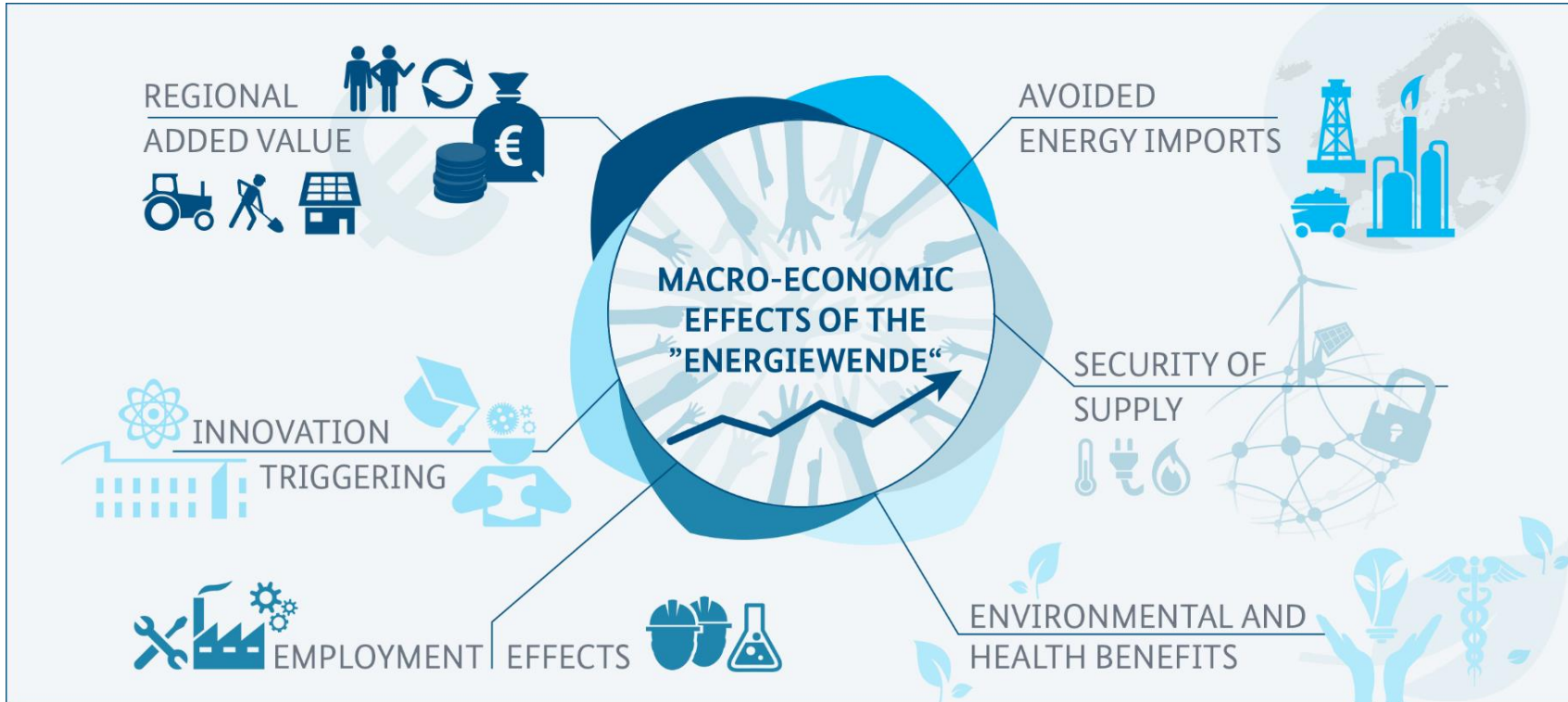
- ▶ Reduce carbon emissions and reach climate protection targets
- ▶ Development of new technologies as new sources of growth and employment
- ▶ Energy policy can be both sustainable and economically successful
- ▶ Reduce dependency on energy imports
- ▶ Phase-out nuclear power generation



The Energiewende is a long-term strategy based on public acceptance.



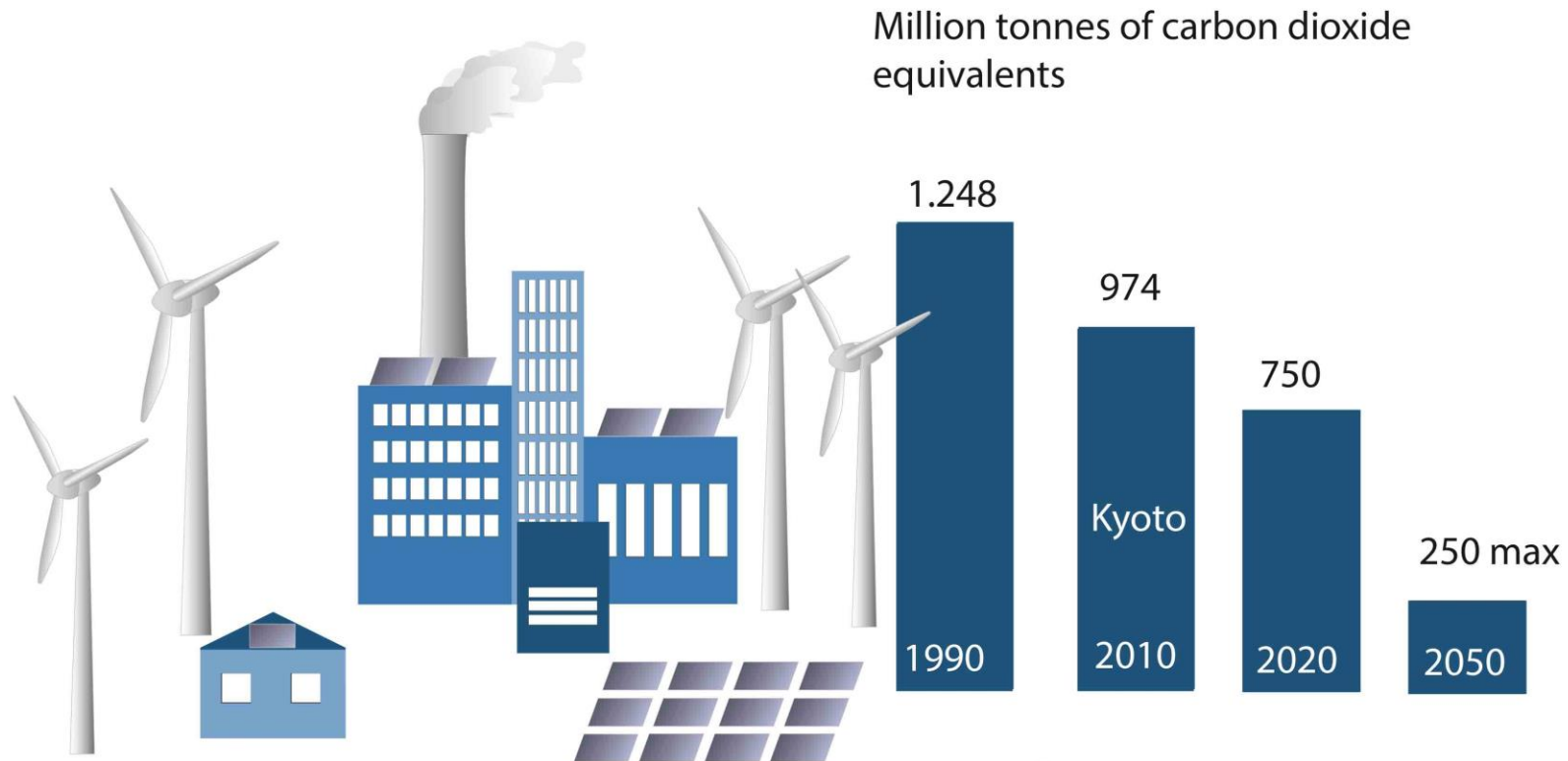
Benefits of the Energiewende



The energy transition has numerous positive effects on various levels.



Drivers of the Energiewende – mitigate climate change

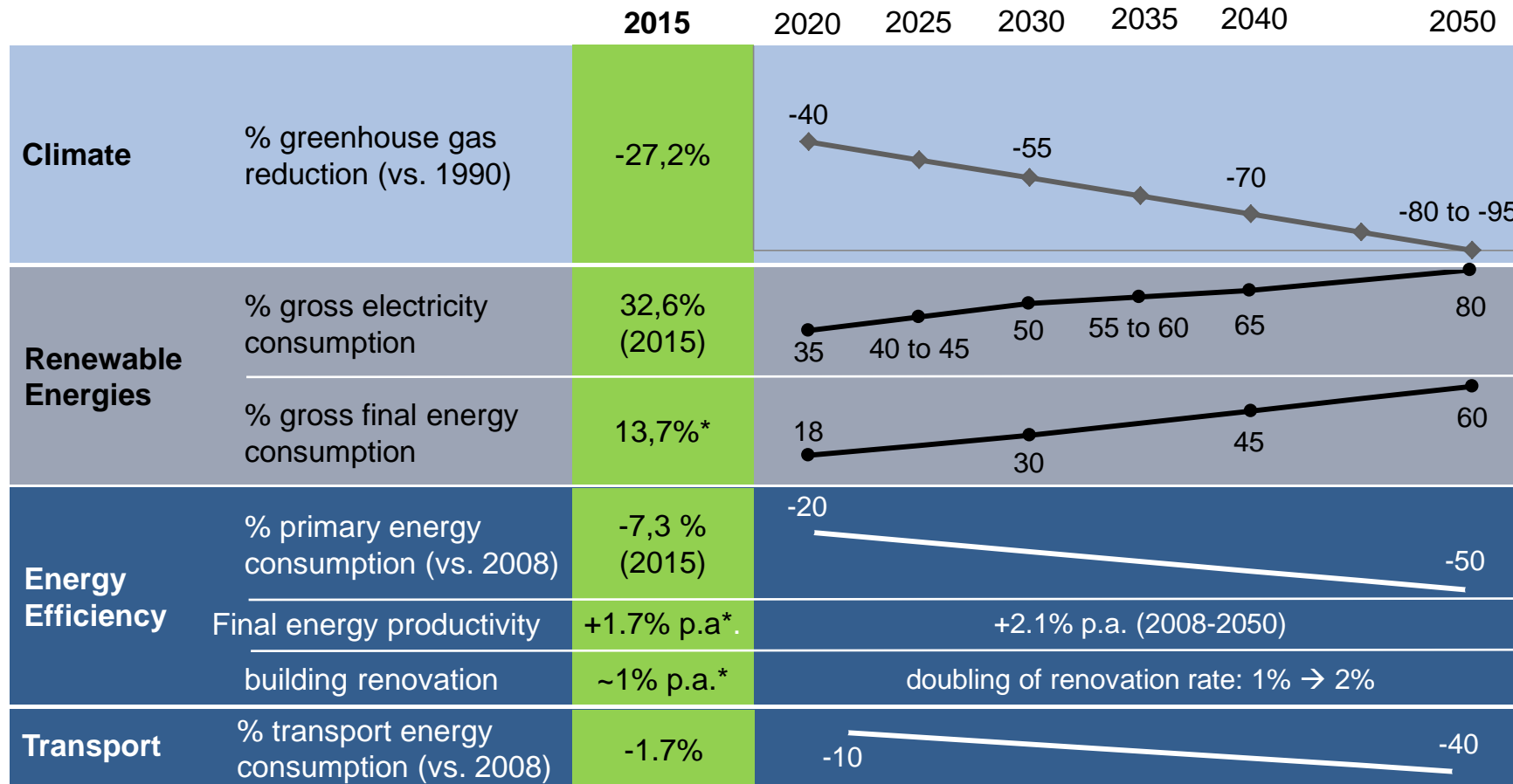


The Energiewende helps to reach the German climate protection targets.

Source: RENAC



Targets of the Energiewende until 2050

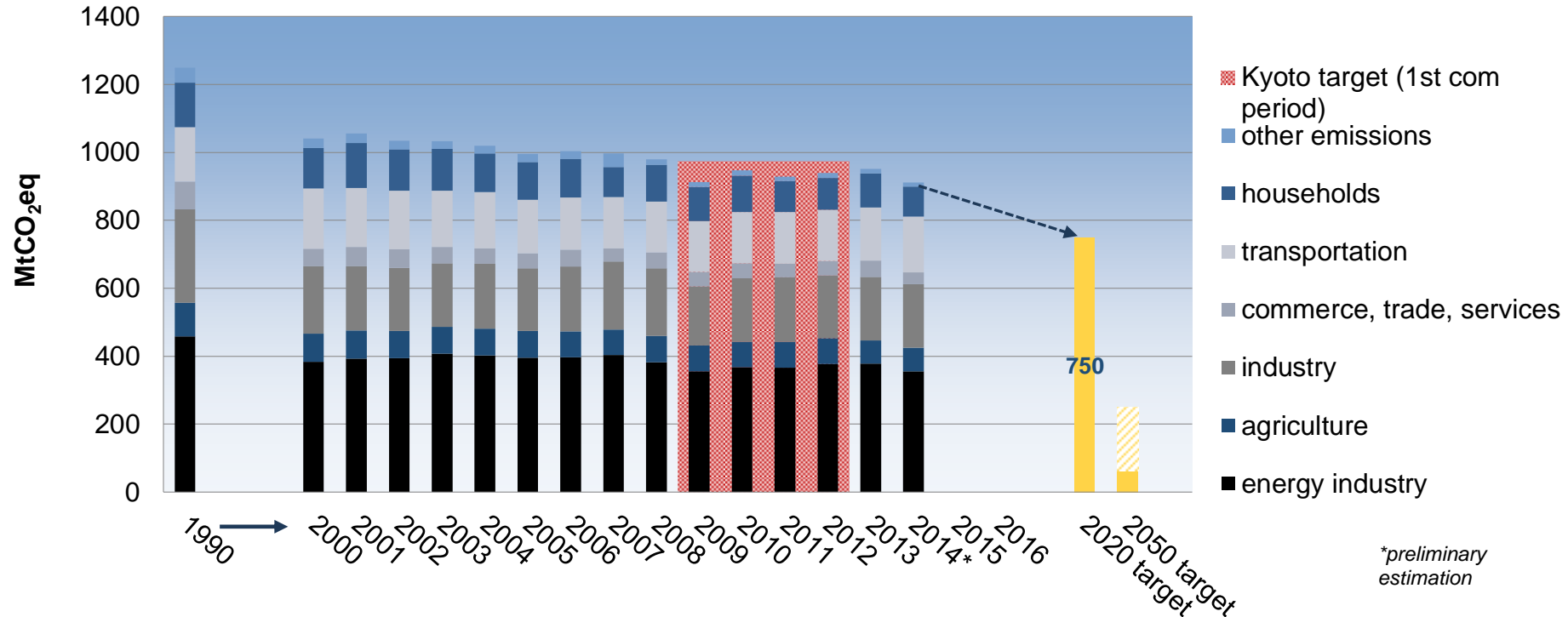


The energy transition follows a transparent, long-term strategy with specific targets.

* 2014 data. Sources: AGEE-Stat 2016, UBA 2015, BMWi 2016



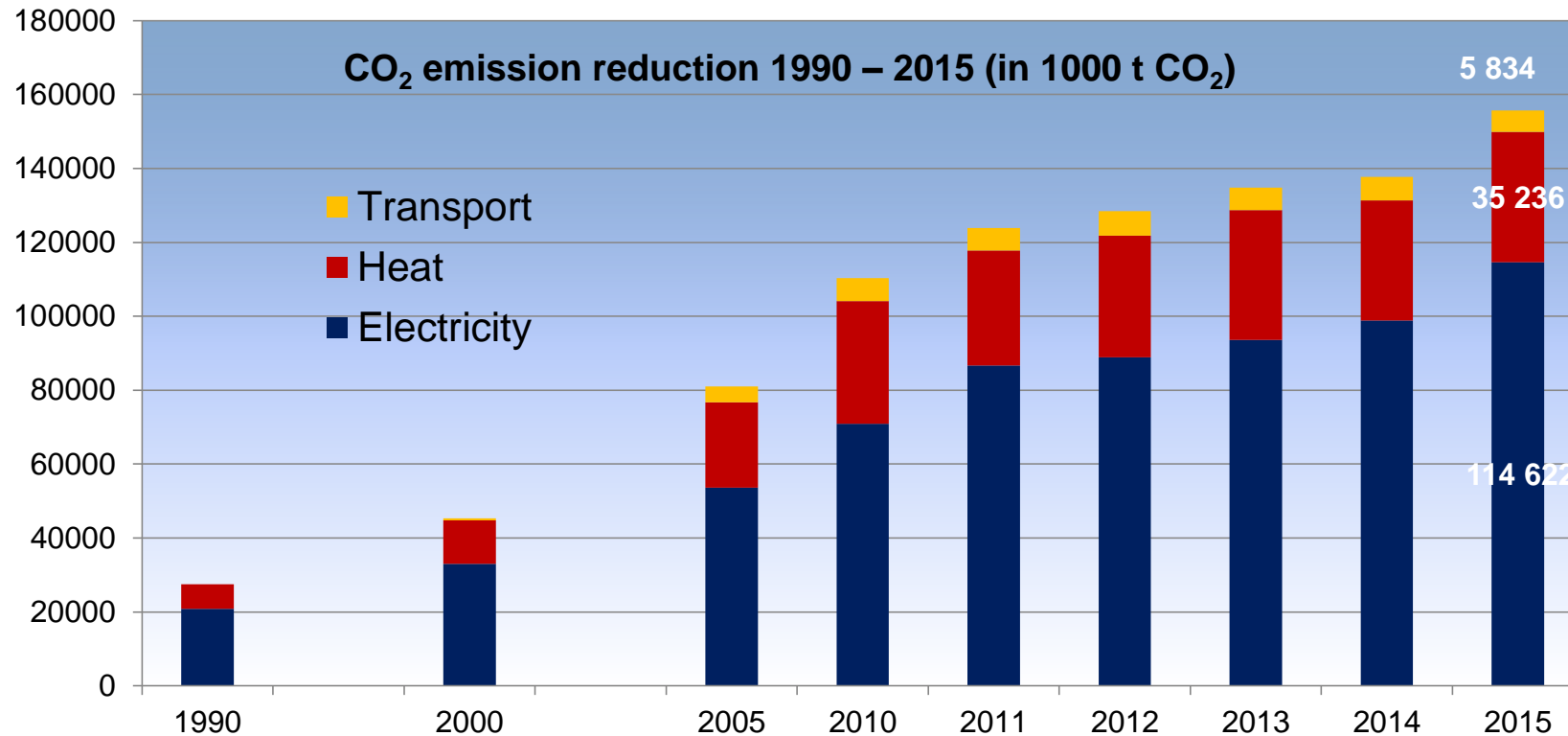
Climate: Reduction of German greenhouse gas emissions



Germany has made significant progress in reducing emissions, but will need further measures to achieve its 40% target by 2020.



Contribution of renewables in CO₂ emission reductions



Renewable sources of energy used in power, heat and transport sectors reduced 156 million tonnes of CO₂ in 2015 alone.

Source: BMWi 2016, AGEE- Stat 2016



Federal Republic of Germany
Foreign Office



THANK YOU FOR YOUR ATTENTION