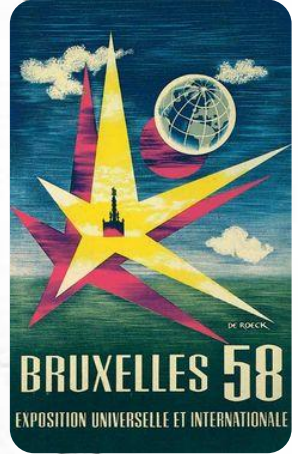


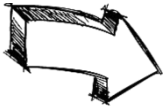
# RENEWABLES ON THE ROAD TO 2030

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Josche Muth

Senior Consultant Energy and Climate





# Ford Nucleon 1958



IMAGINE A CAR THAT WOULD EMIT NO HARMFUL VAPORS AND WOULD OFFER INCREDIBLE FUEL MILEAGE FAR BEYOND THAT OF THE MOST EFFICIENT CARS EVER BUILT. IT'D BE SLEEK AND SILENT, WITH ONLY THE HUM OF A TURBINE. IT'D BASICALLY BE RUN ON STEAM.

**THAT'S HOW NUCLEAR POWER WORKS!**

**NUCLEAR POWER!** THE CORVEGA IS DESIGNED TO BE POWERED BY A MINIATURE NUCLEAR REACTOR. SIMPLE, SAFE, AND ECO-FRIENDLY!

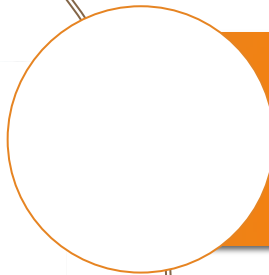
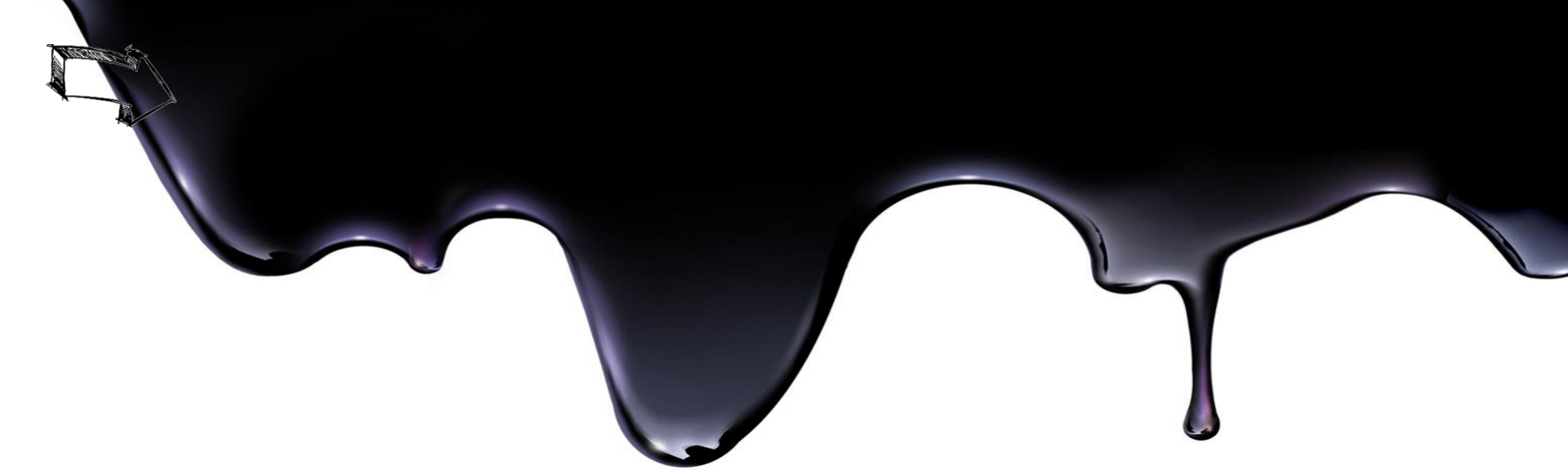


- NO EMISSIONS (EXCEPT FOR THE EVENTUAL NUCLEAR WASTE)
- A TYPICAL CORVEGA WOULD BE ABLE TO TRAVEL ABOUT 5,000 MILES PER CHARGE!

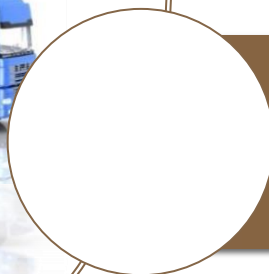
**ONLY \$199,999!**

**BUY YOURS TODAY!**

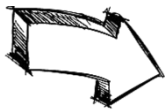




95% dependent on oil



52% of it being imported

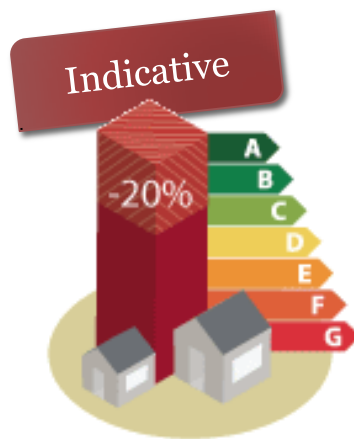


# March 2007: Decision on 2020 targets



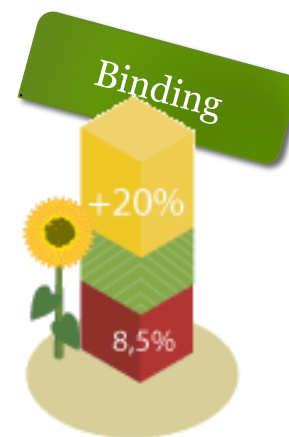
Green House Gases

vs. 1990 level



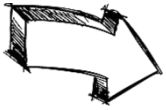
Energy consumption

vs. PRIMES 2007  
projection

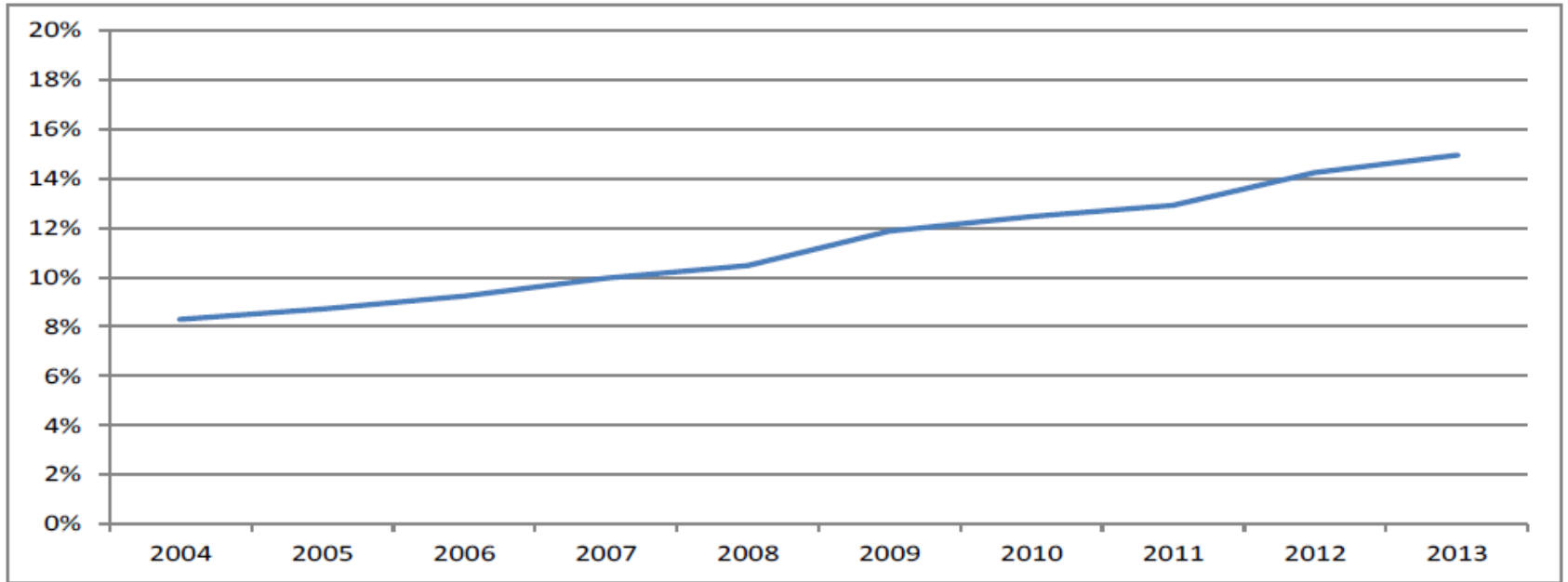


Renewable energy  
in the energy mix

incl. 10% RES in  
transport



# Share of RES (EU28)

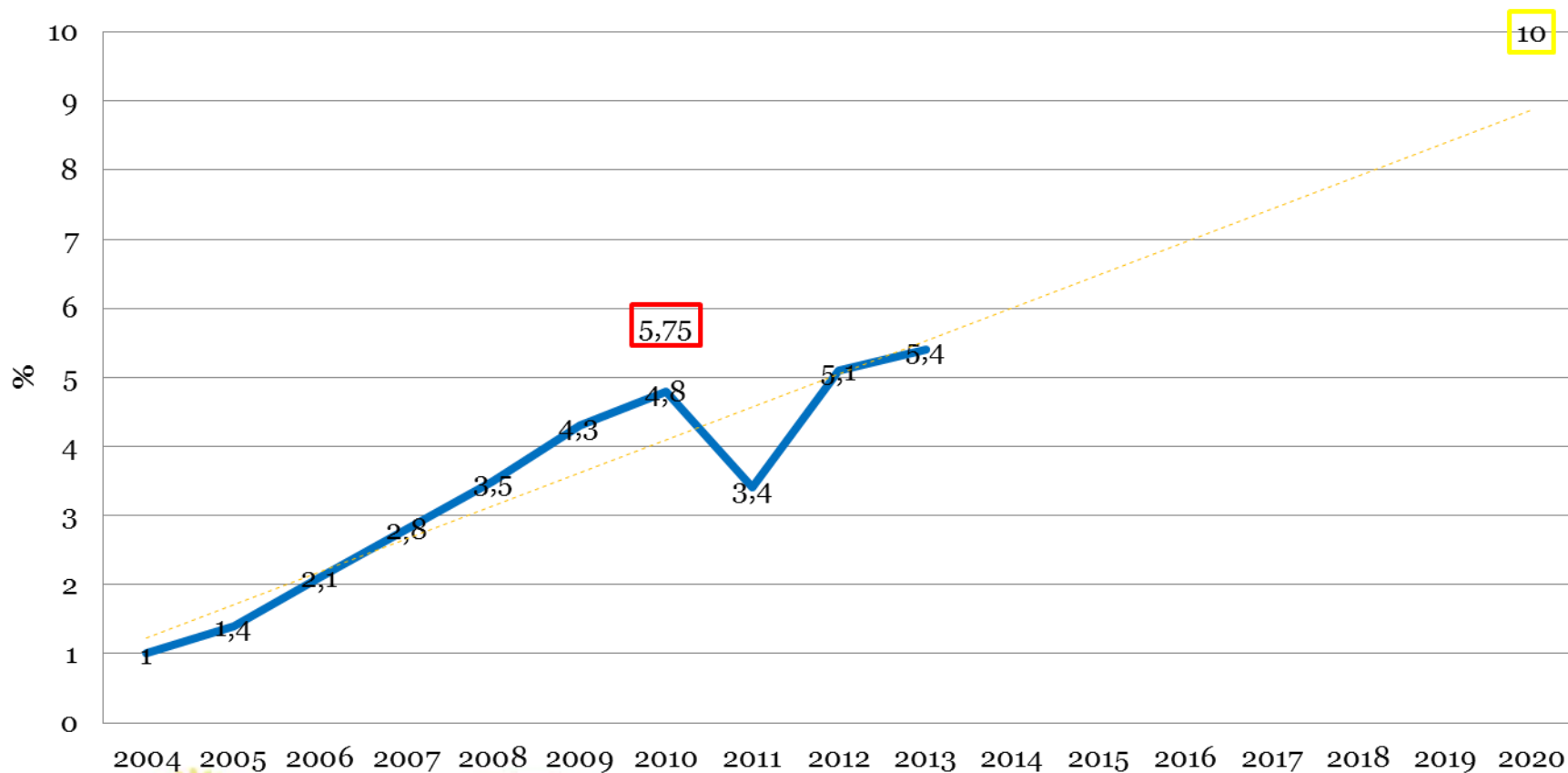


Source: Eurostat



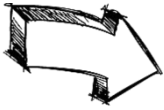


# RES in transport fuels

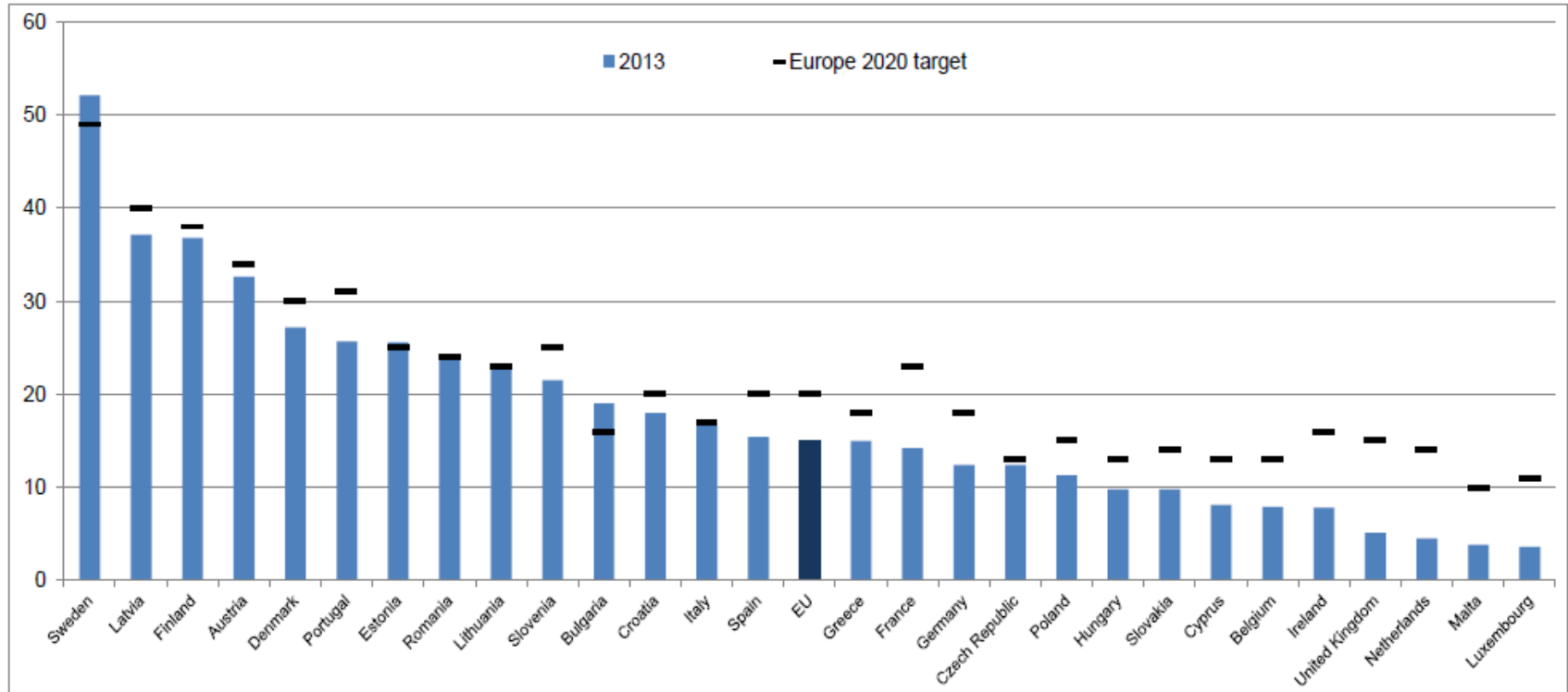


Source: own illustration, based on Eurostat data





# Share of RES in EU Member States (2013)



Source: Eurostat

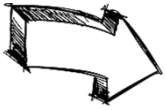
2020 target achieved

- Bulgaria
- Estonia
- Sweden

Furthest away from 2020 target

- United Kingdom
- Netherlands
- France





# 23<sup>th</sup> October 2014: Decision of HoS on 2030



binding EU target of at least  
40% domestic GHG reduction

binding EU target of at least  
27% RES

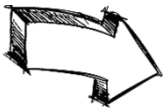
indicative EU target of at least  
27% EE

indicative target of 15% IC

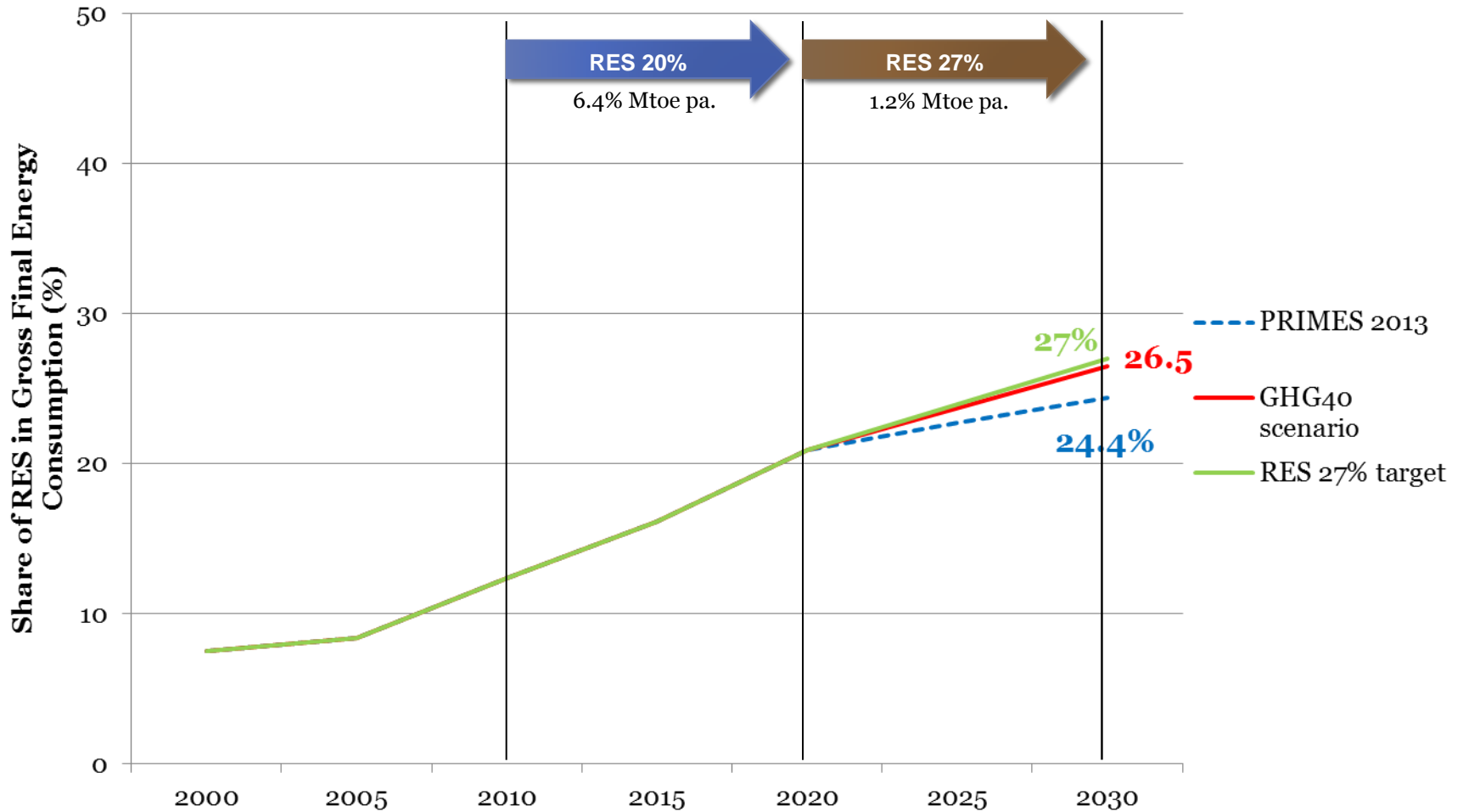
No nationally  
binding targets



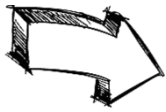
Reliable and transparent governance system



# Renewable energy towards 2030



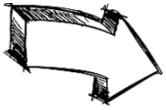
Source: own illustration, based on EC and Eurostat data



# Implementing 2030 decision

- Energy Union Action Plan
  - 2015-2016: 2030 governance
    - Guidelines
    - Regulations
    - Streamlined reporting and monitoring
    - RED 2.0
  - 2016-2017: Draft RED 2.0, including new policy for sustainable biomass and biofuels
  - 2019: Final RED 2.0





# Contact

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