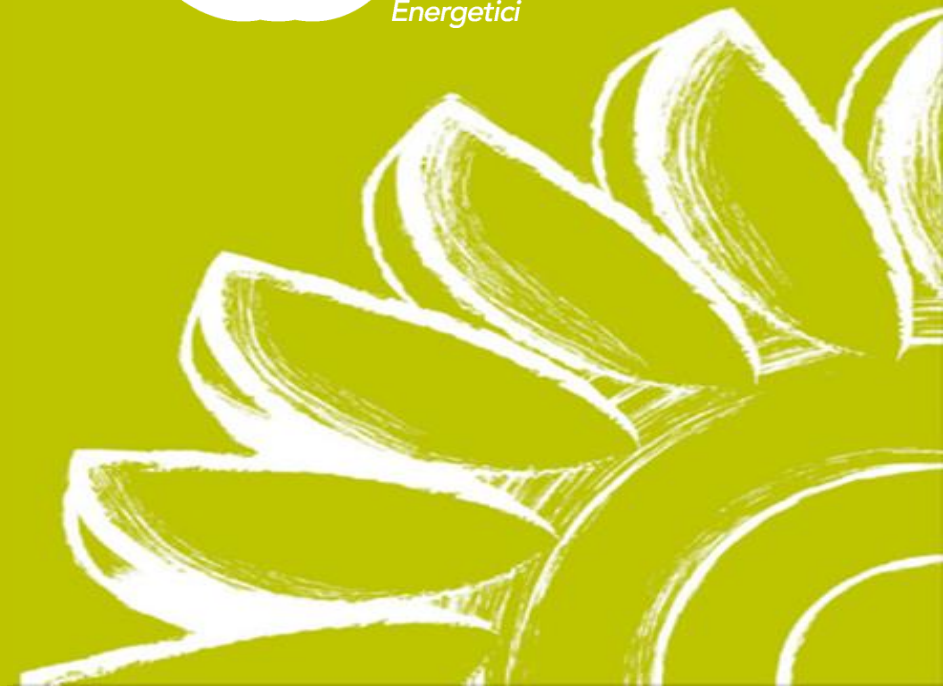


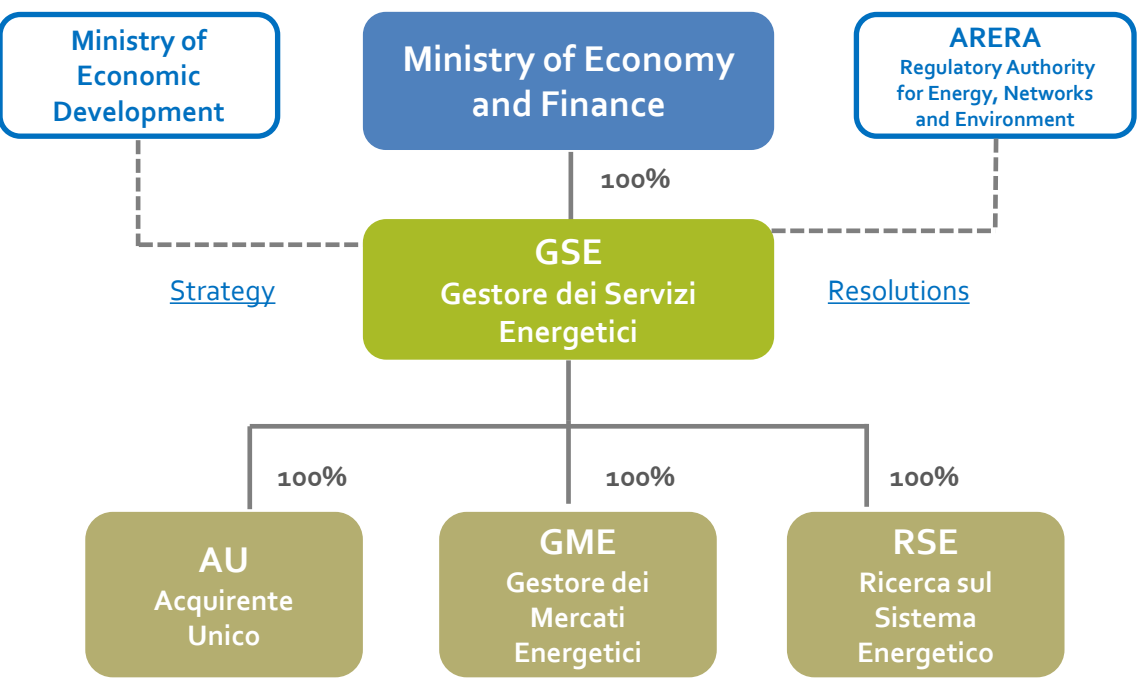
# The future of energy in transport - European and Italian scenarios

Martino dal Verme  
Energy Monitoring, Studies and Statistics

**ERESS FORUM**  
Rome, 13<sup>th</sup> June 2018



## The corporate structure



## Main activities

**INCENTIVES  
AND PROMOTION OF  
ELECTRICITY FROM  
RENEWABLE SOURCES**

- Qualifying RES plants
- Granting incentives, purchase & resale energy, certification
- On site verification of plants
- Satellite-assisted metering (forecast of energy production)

**ENERGY EFFICIENCY,  
RENEWABLE ENERGY FOR  
HEATING & COOLING AND  
TRASPORT**

- White Certificates
- High-efficiency CHP
- Heating & Cooling support scheme
- Biofuel
- On site verification of plants

**INSTITUTIONAL ACTIVITIES  
AND OTHER TECHNICAL  
ENERGY SERVICES**

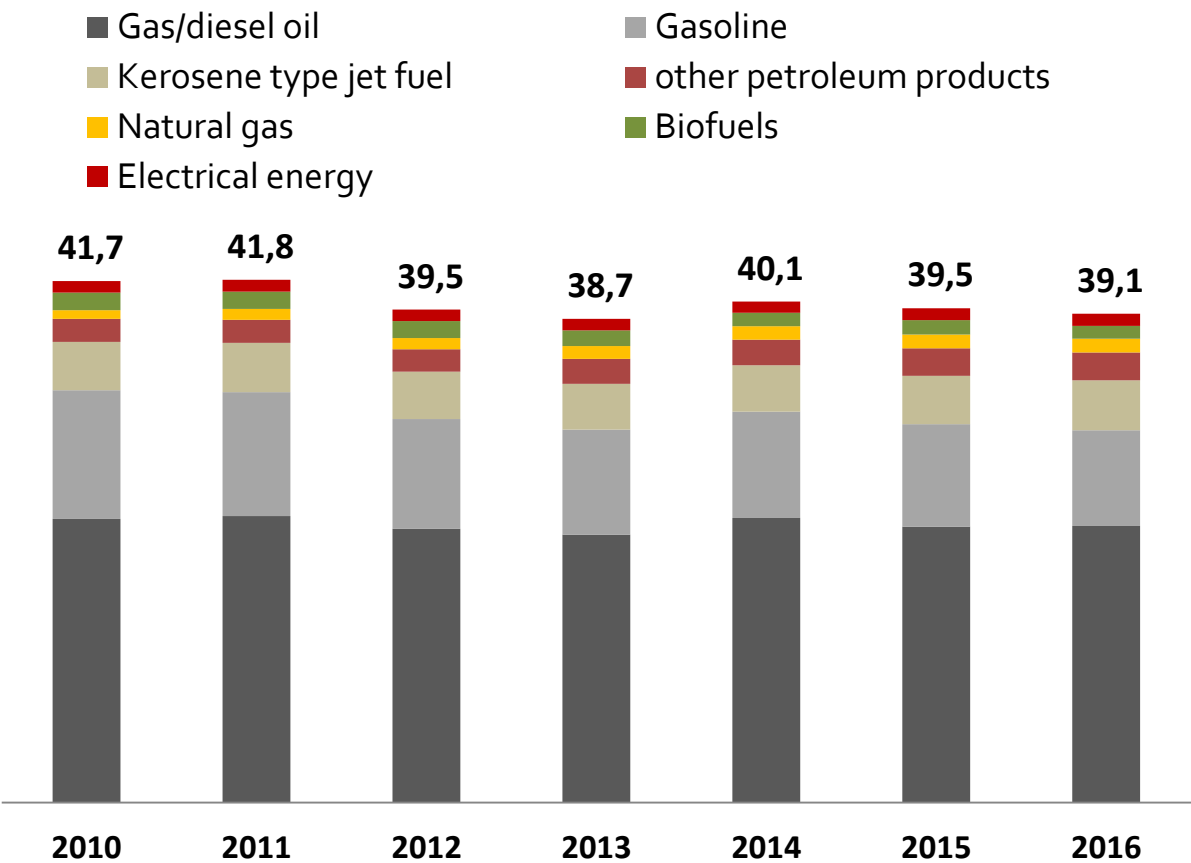
- Support to the institutional policy makers and Public Administrations
- Monitoring, Studies and Statistics
- International activities (IEA, IRENA, European projects, etc.)
- ETS auctions to sale the Italian CO<sub>2</sub> allowances
- Promotion and communication

## Mission

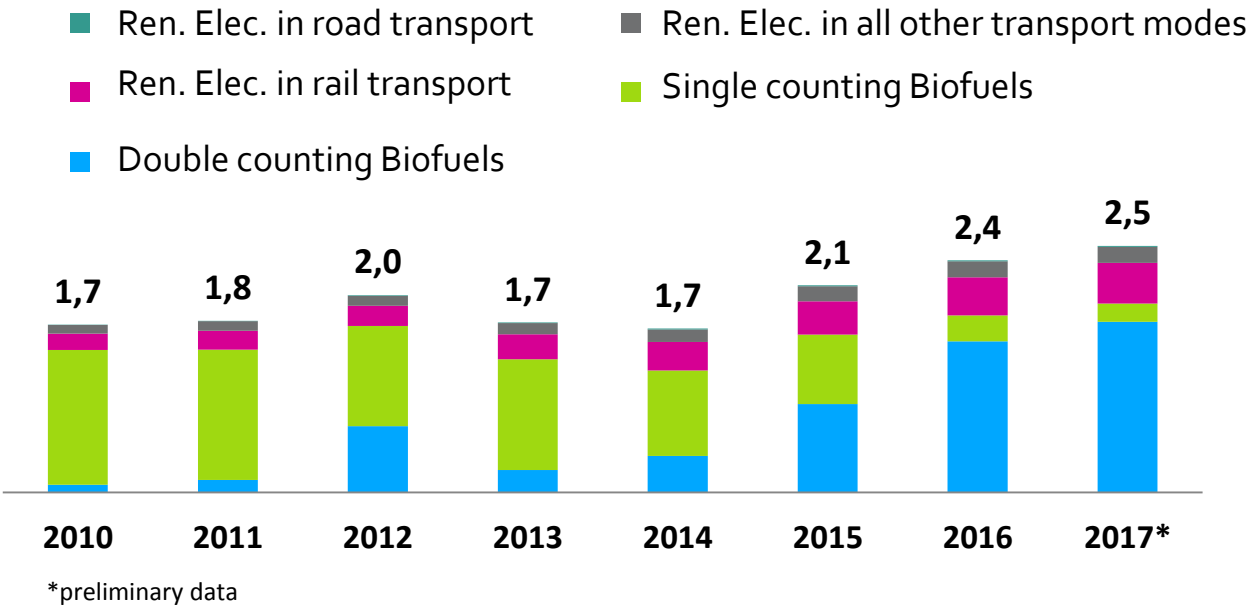
*"to foster sustainable development by providing support for renewable energy and energy efficiency and by taking actions to build awareness of environmentally-efficient energy uses."*

# Renewables in transport – National statistics

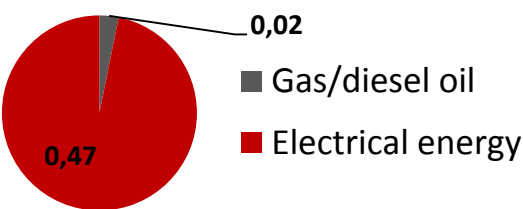
Energy consumptions in transport (Mtoe)



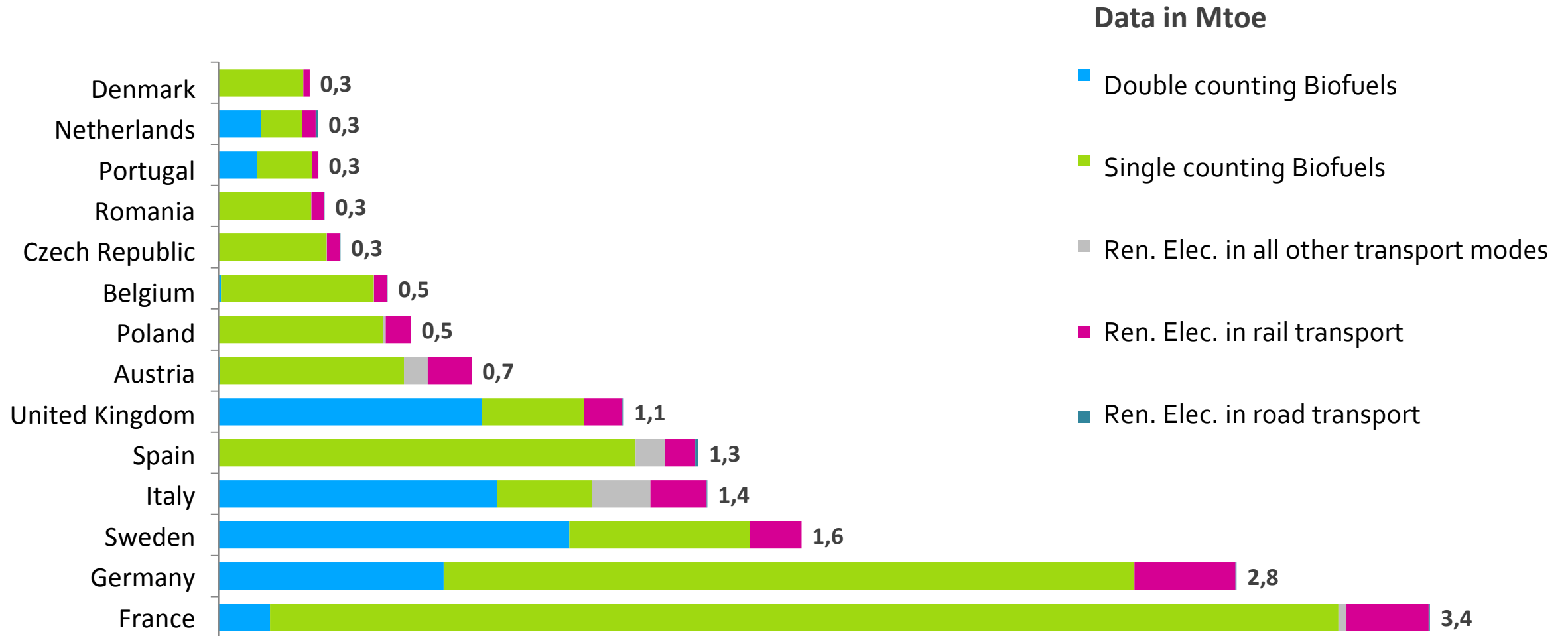
Renewables consumptions in transport according to Renewable Energy Directive accounting rules (Mtoe)



Energy consumptions in rail transport in 2016 (Mtoe)



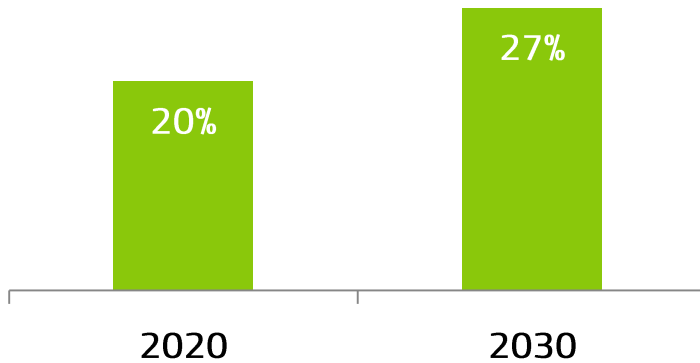
# Renewables in Transport Sector in Europe



# 2030 European targets currently under negotiation

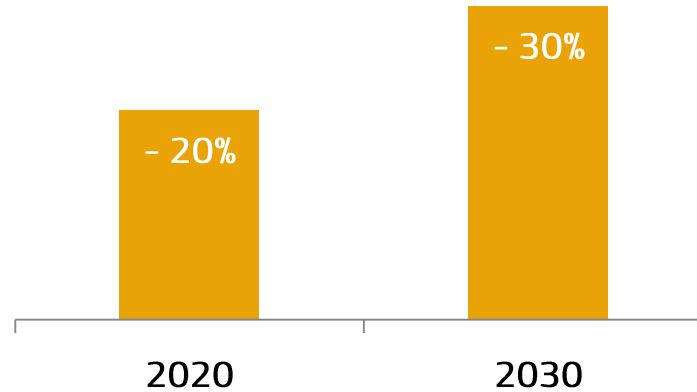
## RENEWABLES

Renewable share of gross final energy consumptions (**UE Target**)



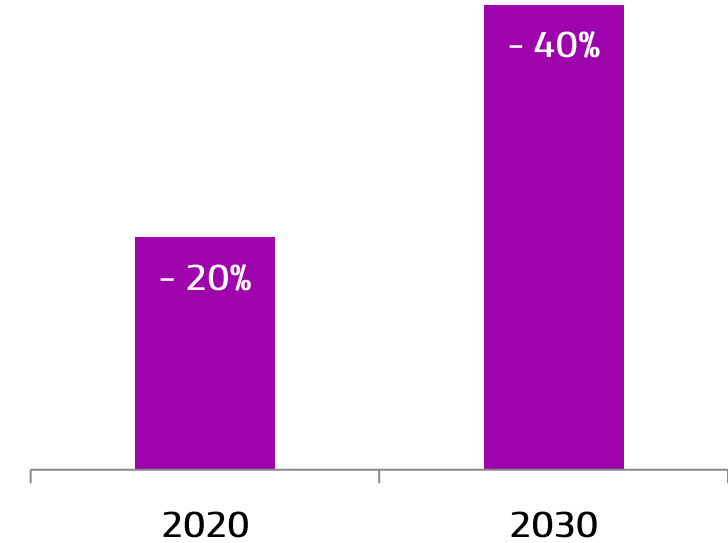
## EFFICIENCY

Primary energy consumption reductions compared to reference scenario (**UE target**)



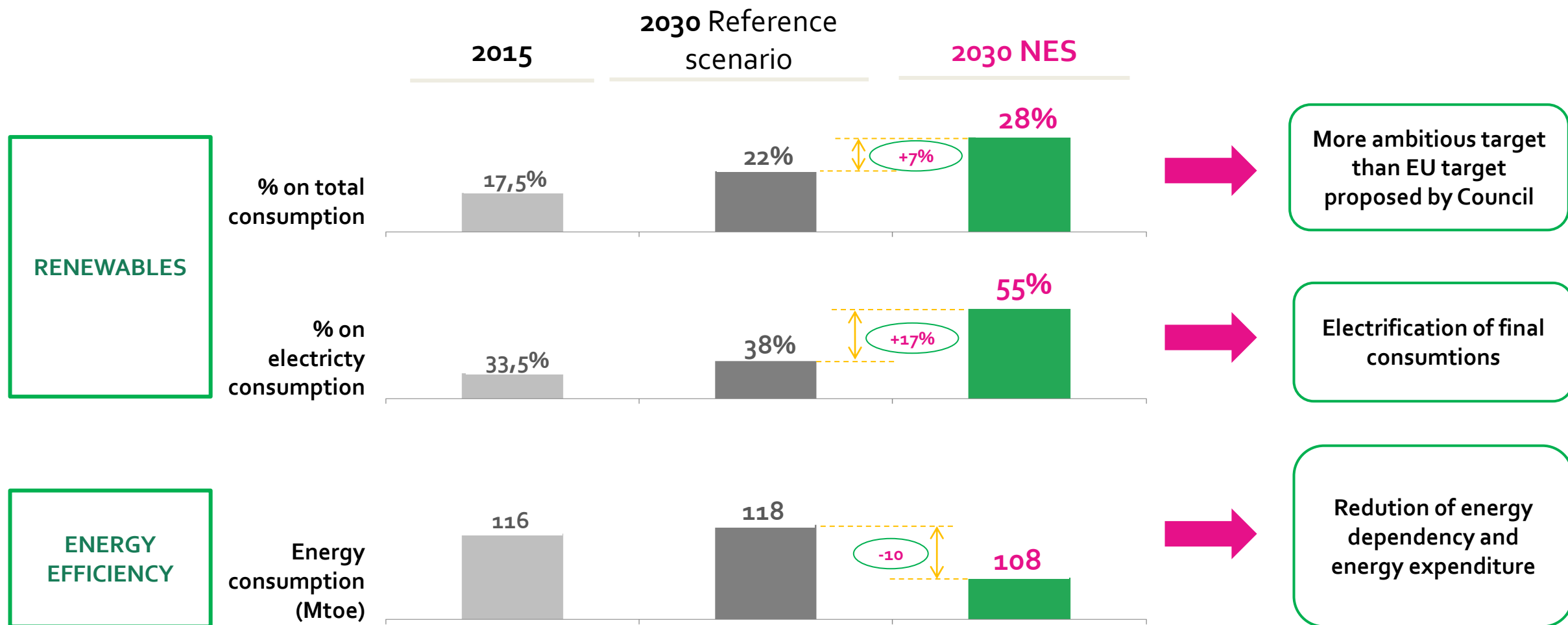
## EMISSIONS

Greenhouse gas emission reduction compared to 1990 (**UE target**)



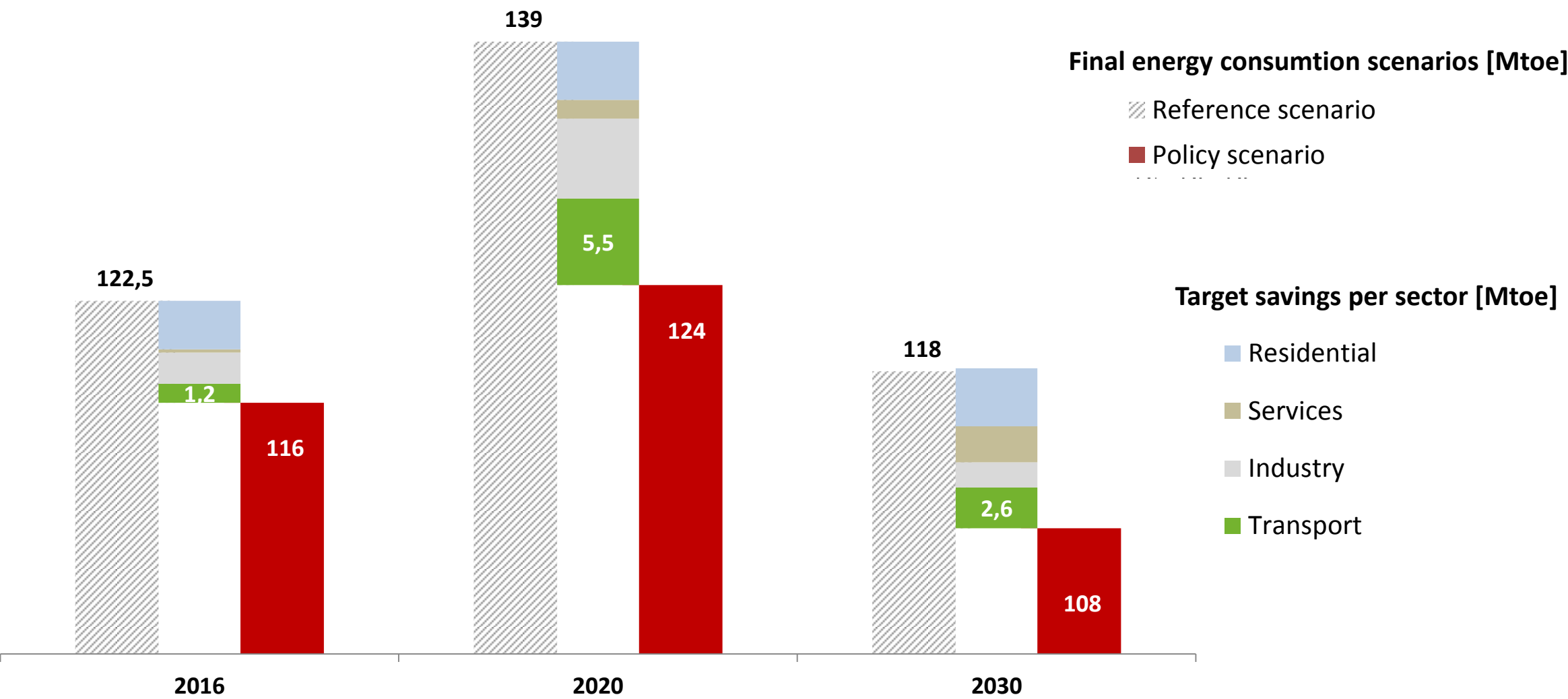
European parliament proposed to increase 2030 target set by EU Council draft, up to **35 % of RES share** and **-35% efficiency target**.

# Renewables and energy efficiency in National Energy Strategy (NES - 2017)



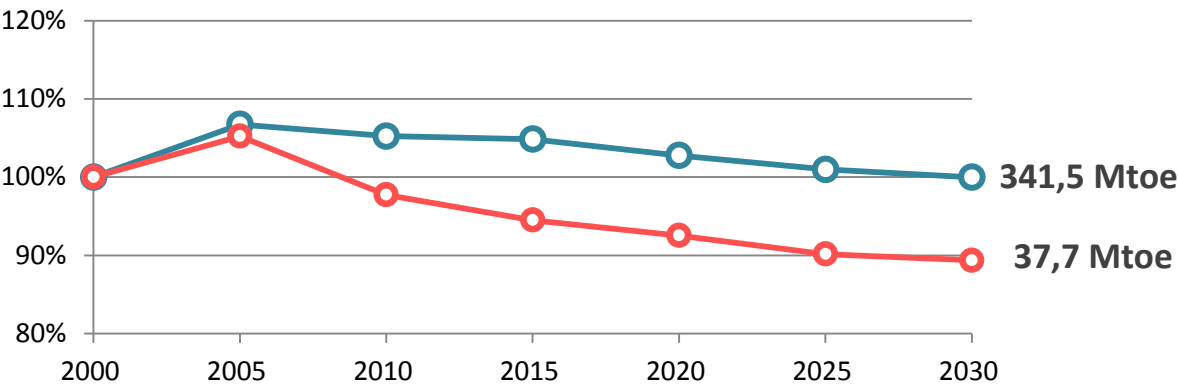
# Energy efficiency national targets

Energy saving targets for 2020 and 2030: breakdown among sectors [Mtoe]

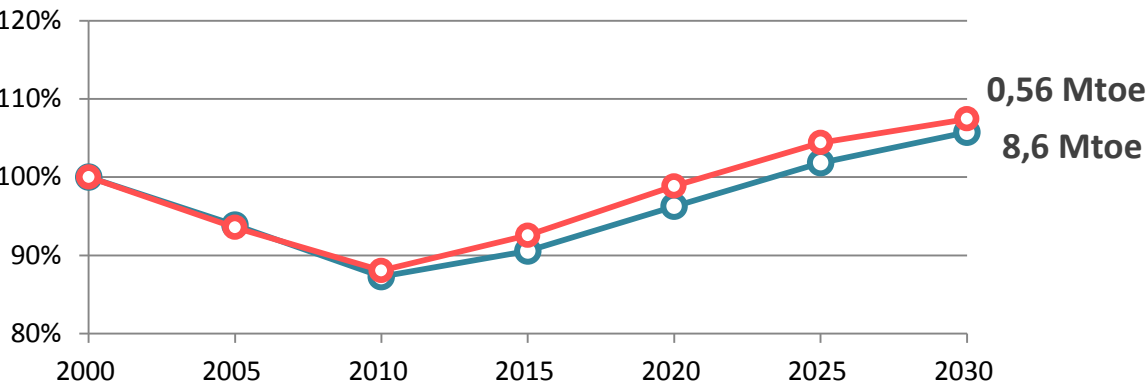


# Transport energy demand scenario (PRIMES model) [2000=100]

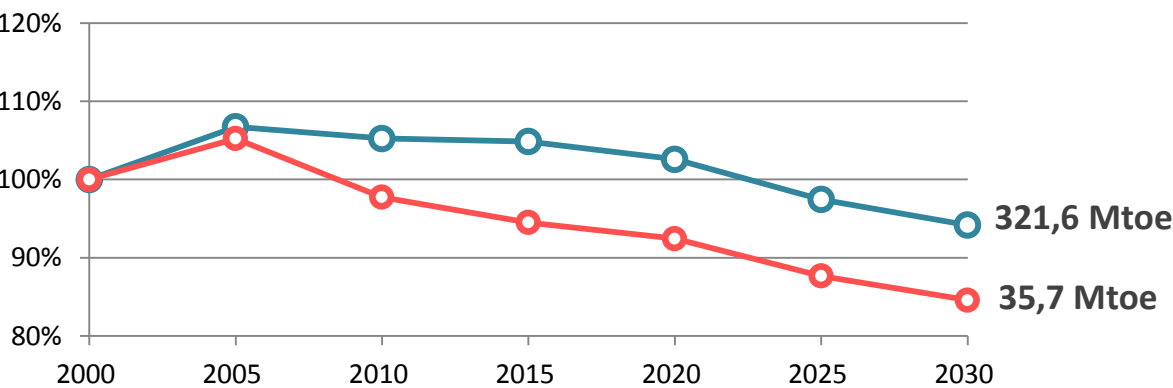
Transport sector – Reference scenario



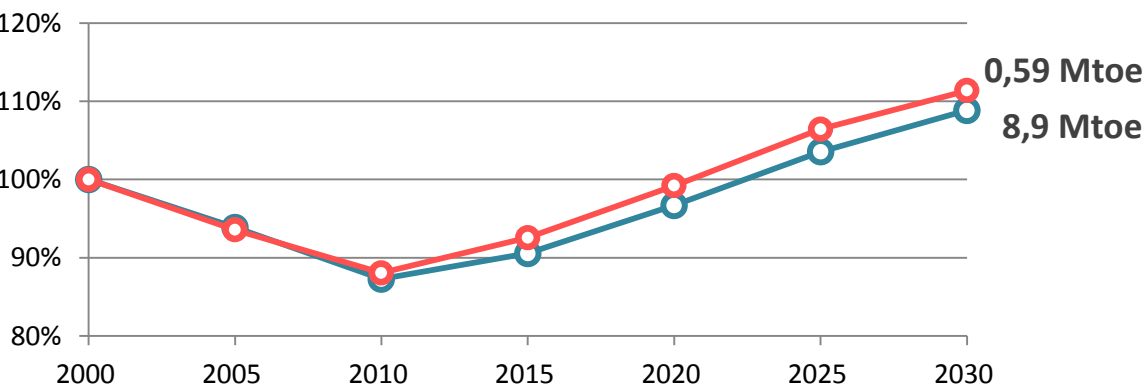
Rail transport – Reference scenario



Transport sector – EUCO3030 scenario



Rail transport – EUCO3030 scenario



—○— EU 28      —○— Italy



# Past and future of energy policies on renewables

RES share of Gross final consumption of energy: statistics, and targets for year 2020 and 2030 (National Energy Strategy)

