



Renewables in the 2030 Context

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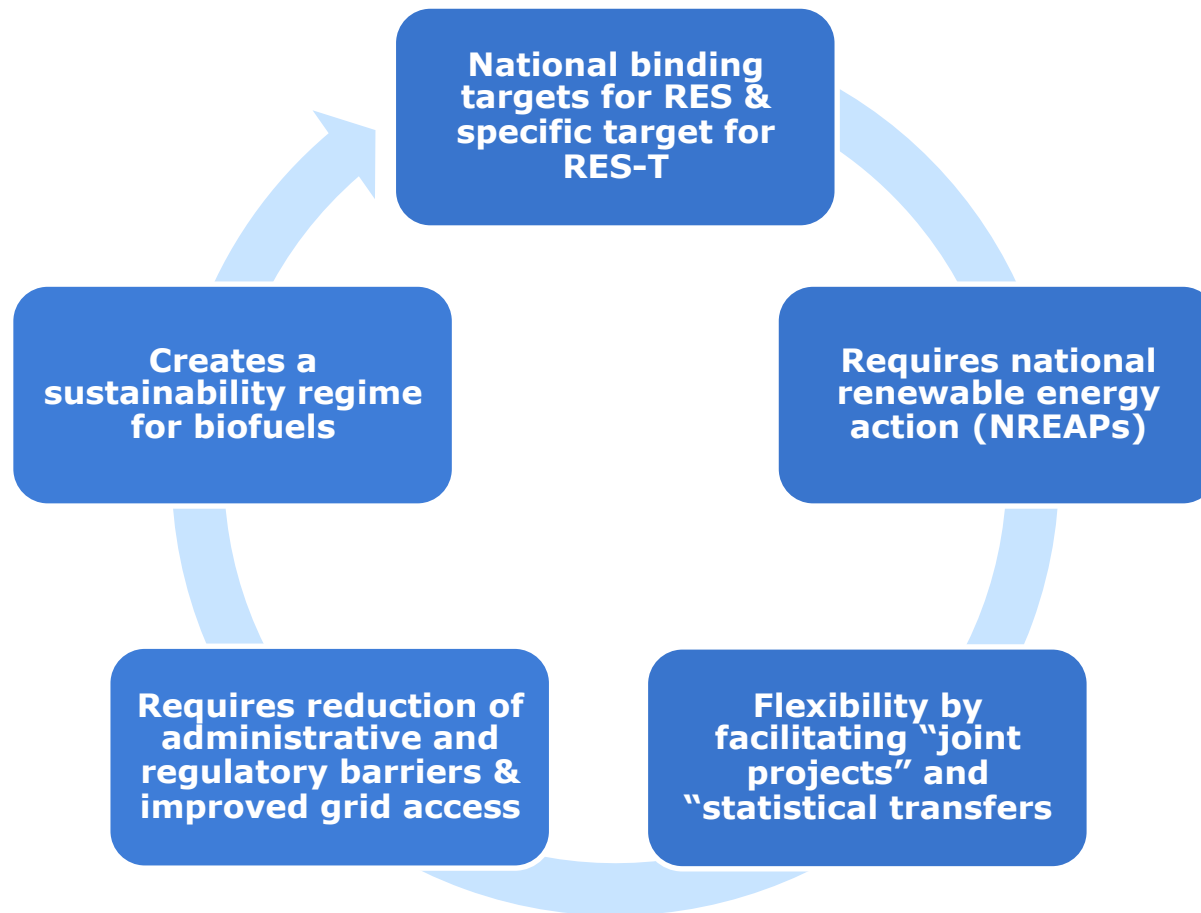
4th DIACORE-CEPS Policy Workshop

- 1. Where do we stand today?*
- 2. Policy context for Renewables post 2020*
- 3. Sharing of efforts, costs and benefits*



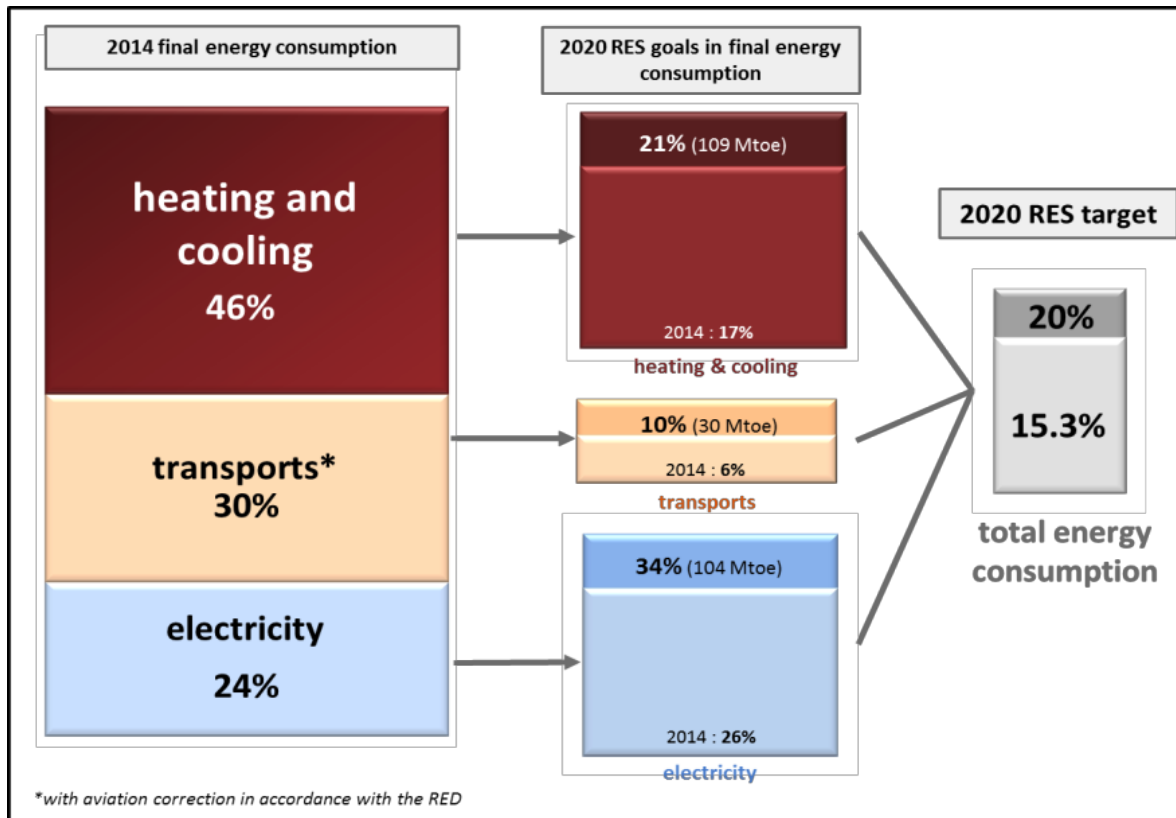
1. Where do we stand today?

The 2009 Renewable Energy Directive



Progress towards the 20% renewables target

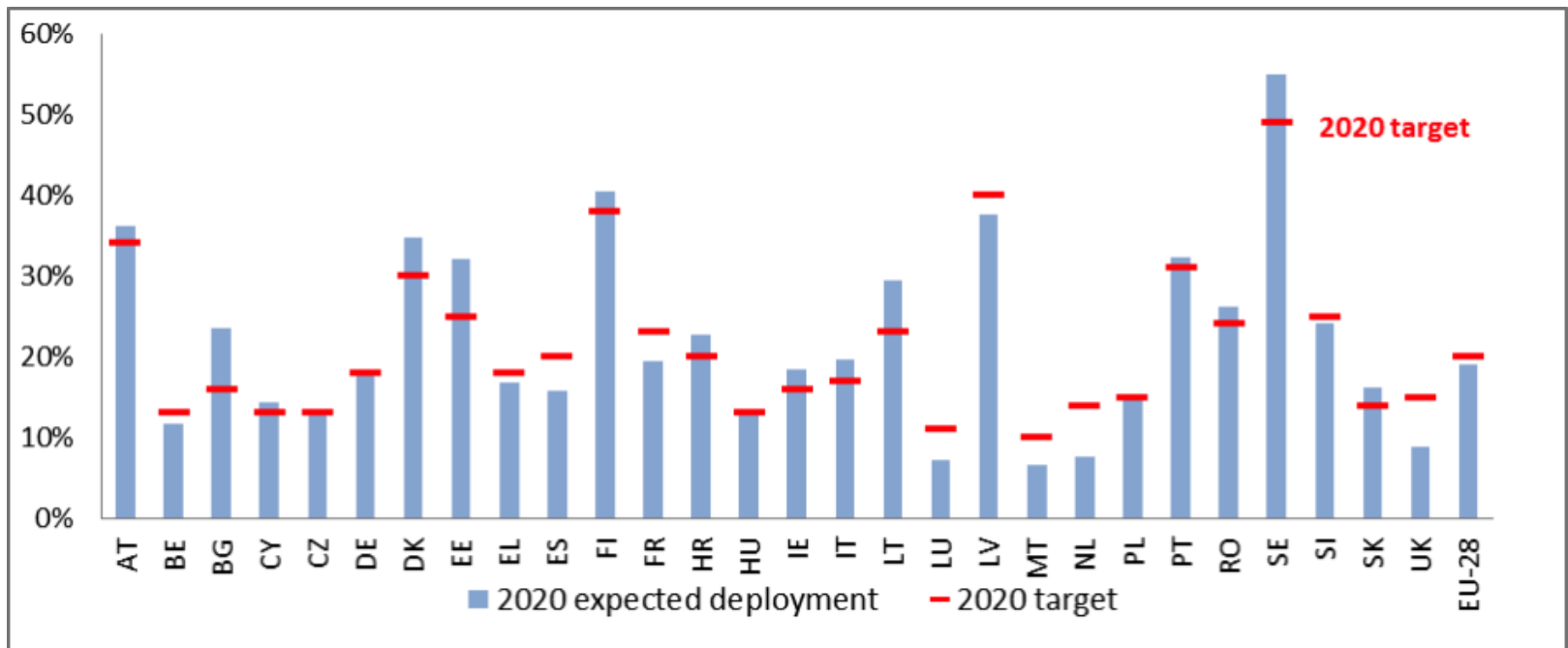
Final EU energy consumption: by sector with RES share in 2014 against 2020 target



Source: European Commission, based on Eurostat calculation. 2014 data are model based estimates.

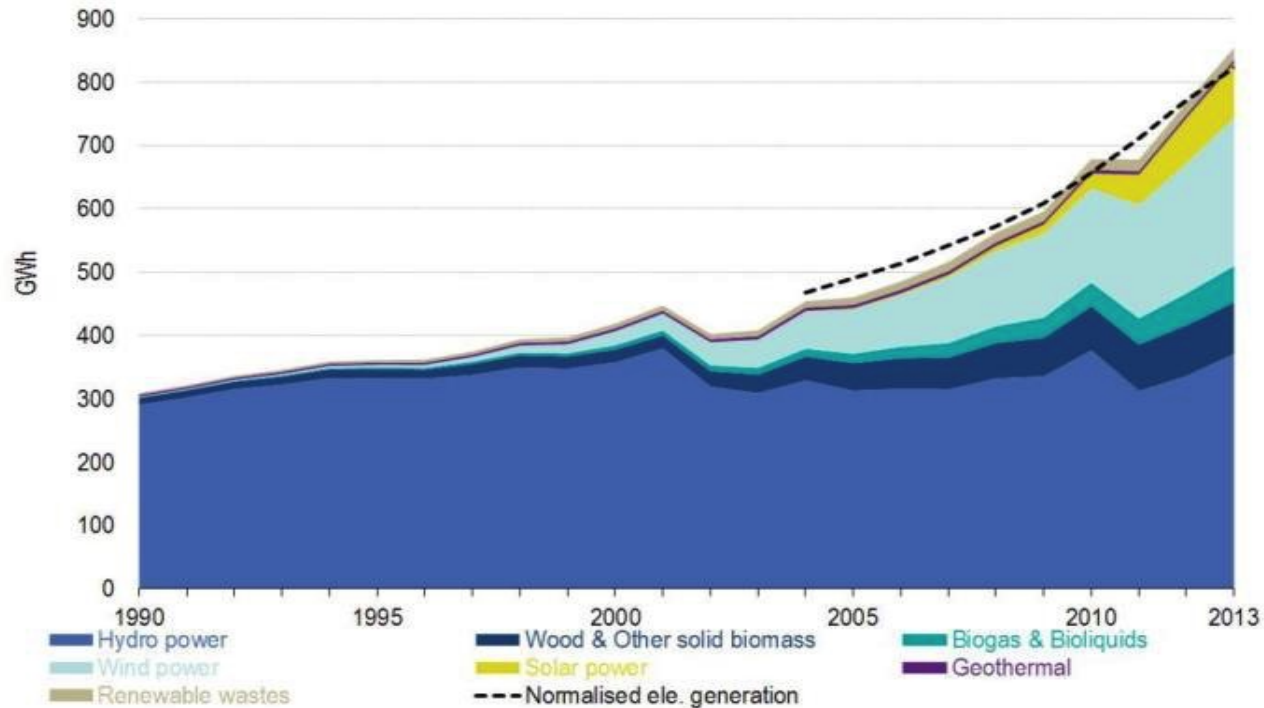
Progress towards the 20% renewables target

Expected RES deployment in Member States and 2020 RES targets



Source: European Commission, based on TU Wien (Green-X) projections (2014)

EU renewable electricity generation in 1990-2013



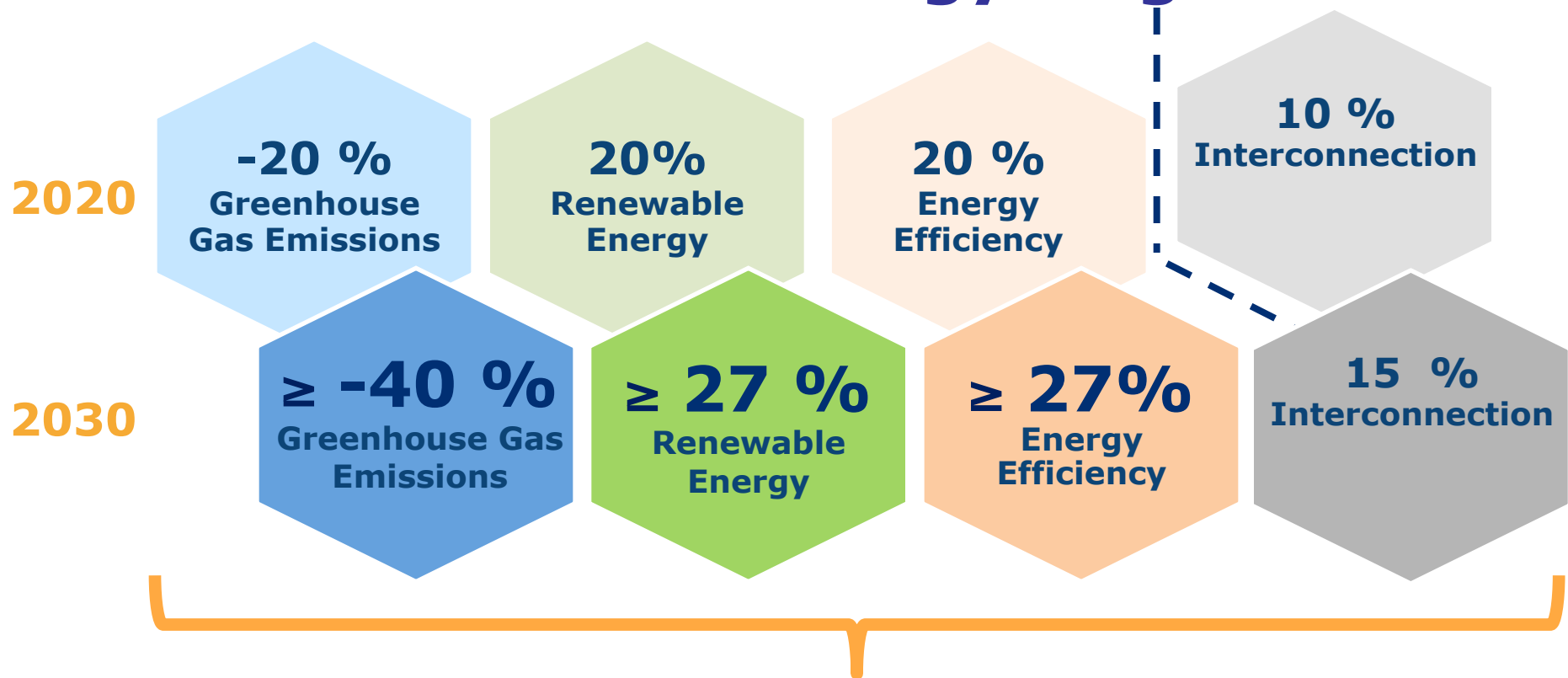
Source: Eurostat

2020 renewable energy targets work

- EU share of renewables: 15.3% (2014)
- Reduced CO₂ emissions: 388 Mt of gross avoided CO₂ emissions (2013)
- Security of supply:
 - Reduced demand for fossil fuels: 116 Mtoe (2013)
 - Substitution of natural gas: 30% of all avoided fossil fuel use (2013)
 - Avoided imported fuel costs in heating: EUR 30 billion/year
- Business and jobs:
 - Annual turnover of European RES industry: €138 billion (2013)
 - Employment: over 1.15 million people (2013)

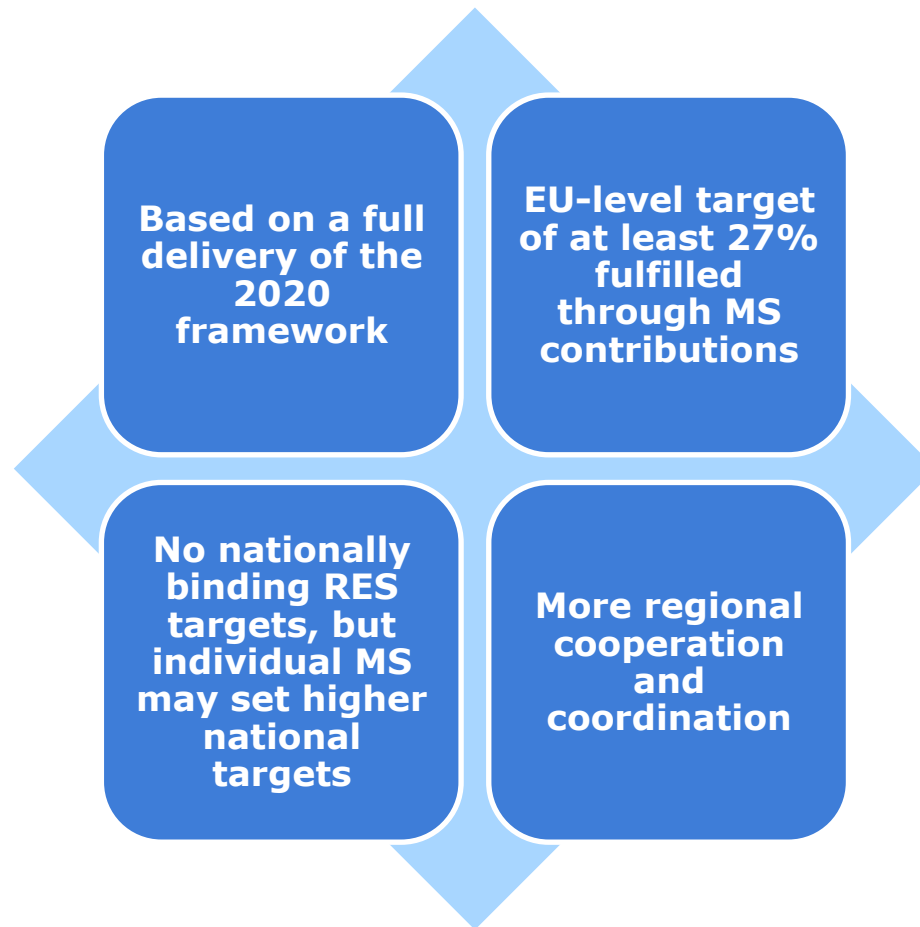
2. Policy context for Renewables post 2020

2020 and 2030 Climate and Energy targets



New 2030 governance system + indicators

The RES framework post 2020



The 2030 RES target in context



3. Sharing of efforts, costs and benefits

Some questions

- *Should more emphasis be put on tapping the **best RES potential** and on **cost-effectiveness** when delivering a **collective** EU-level target?*
- *How to address that **good potential** may be in MS with relatively **low GDP**?*
- *How to address that some MS have relatively **high WACC for RES investments** due to policy, regulatory or administrative risks?*



Thank You!



Slides for Expanding

Electricity Market Design and RES

