



# **A global view on a moving sector –**

## **The International and the EU's response to climate change**

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**Artur Runge-Metzger  
Director  
DG Climate Action**

# Content

- 1. Paris Agreement: Stepping up international climate action*
- 2. EU energy and climate policy framework 2030*
  - **Regulatory "Pull"**
  - **Enabling "Push"**
- 3. Conclusions*

## The Paris Agreement

- **Legally binding, universal agreement: 4 November 2016 entry into force**
- **Long-term goal**
- **5-year ambition cycle**
- **Transparency and accountability**
- **Support for developing countries**

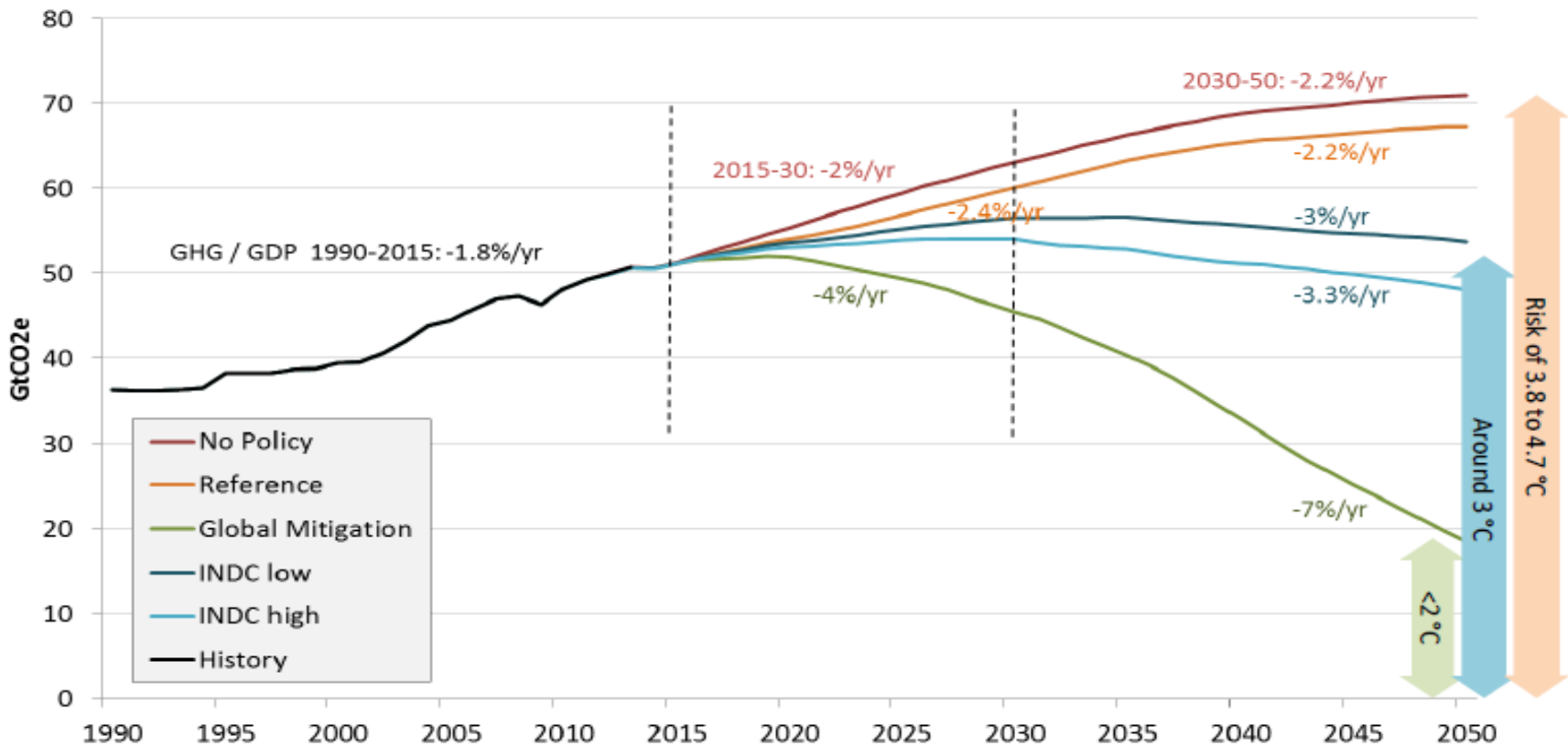


## Since Paris

- **ICAO:** *From 2021, flights between 65 states will be covered by a Global Market-Based Measure to offset CO2 emissions; Mandatory as of 2027. Around 80% of the emissions above 2020 levels will be offset between 2021 and 2035.*
- **Montreal Protocol:** "Freeze, Reduce, Bottom out HFCs" => *more than 80 Gt CO2 saved until 2050 including savings from destroying HFC by-production*
- **IMO:** Agreed mandatory global monitoring system, and GHG emission reduction strategy by 2018

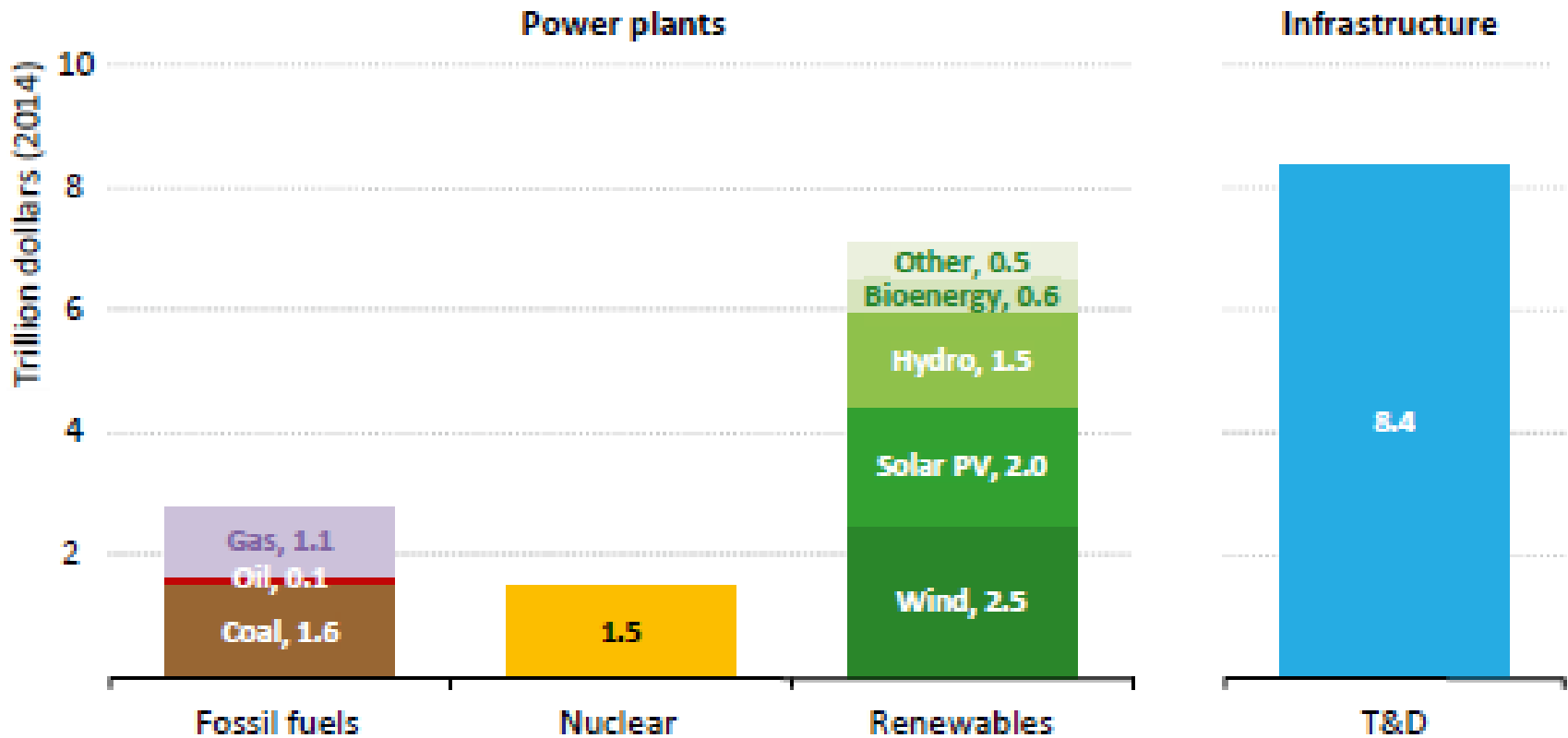
# Impact of national contributions on global emissions

(GtCO<sub>2</sub>e, total excluding sinks and percent change in emission intensity per unit of GDP)

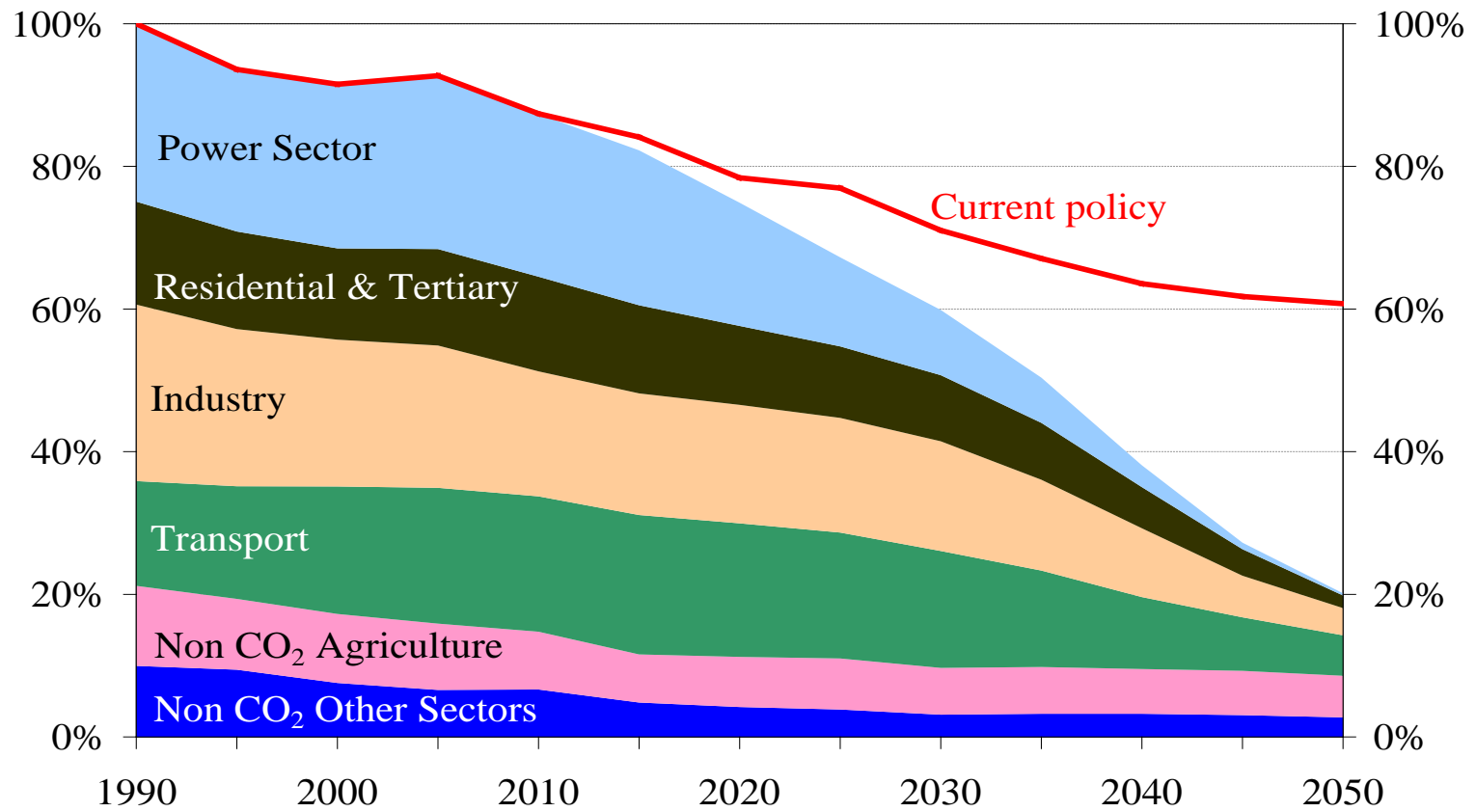




# Potential impact of INDCs on global cumulative investment in the power sector, 2015 – 2040

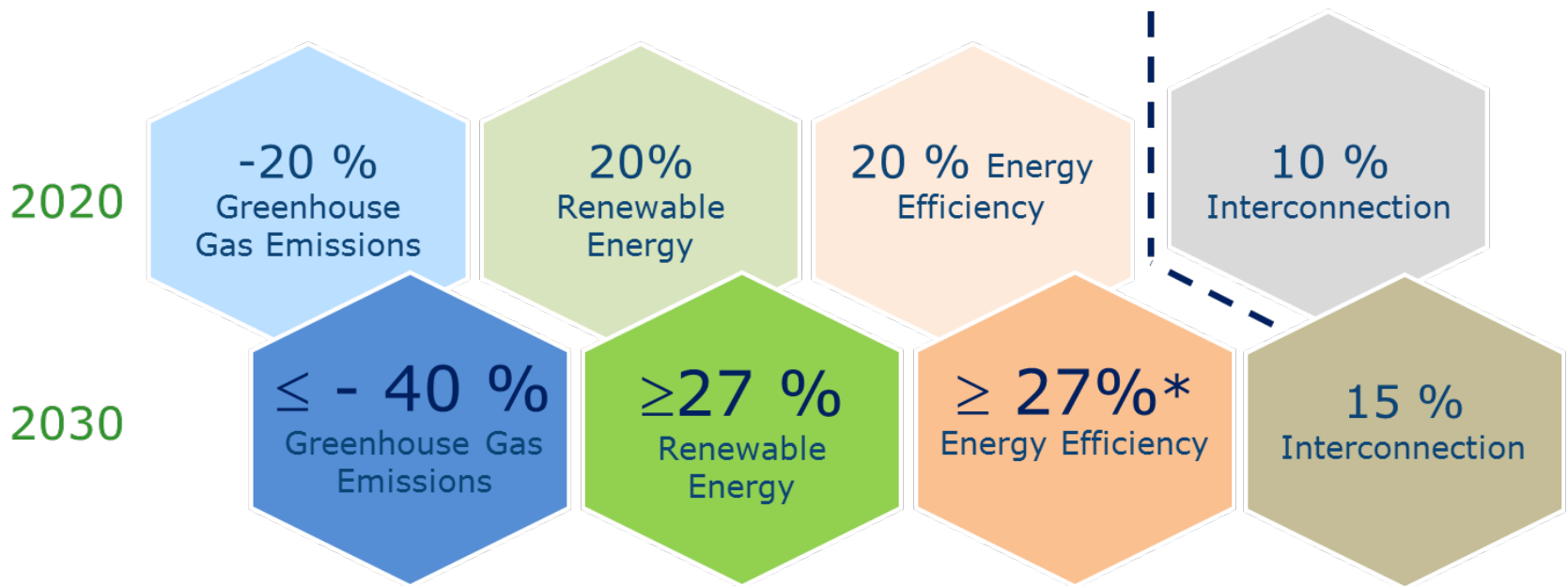


## EU low emission roadmap until 2050

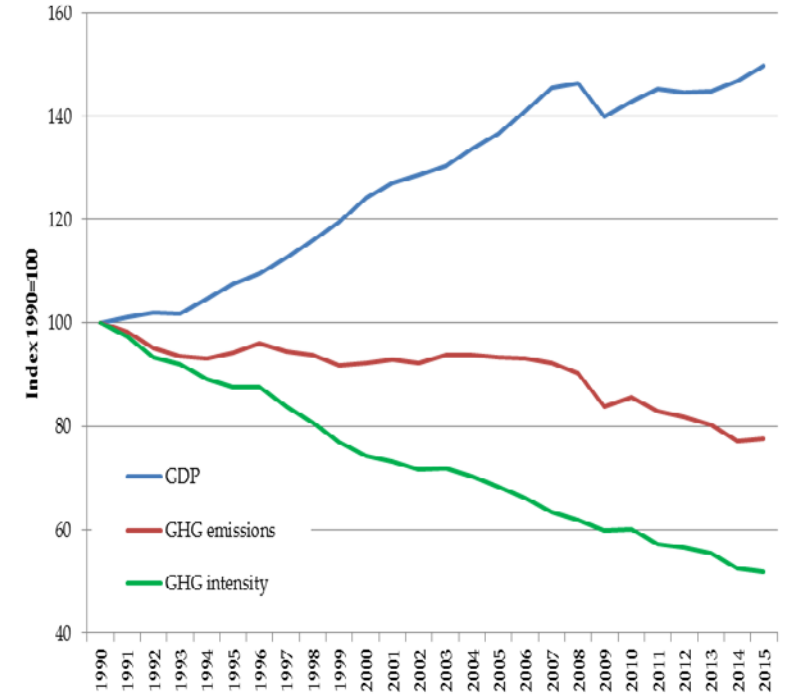
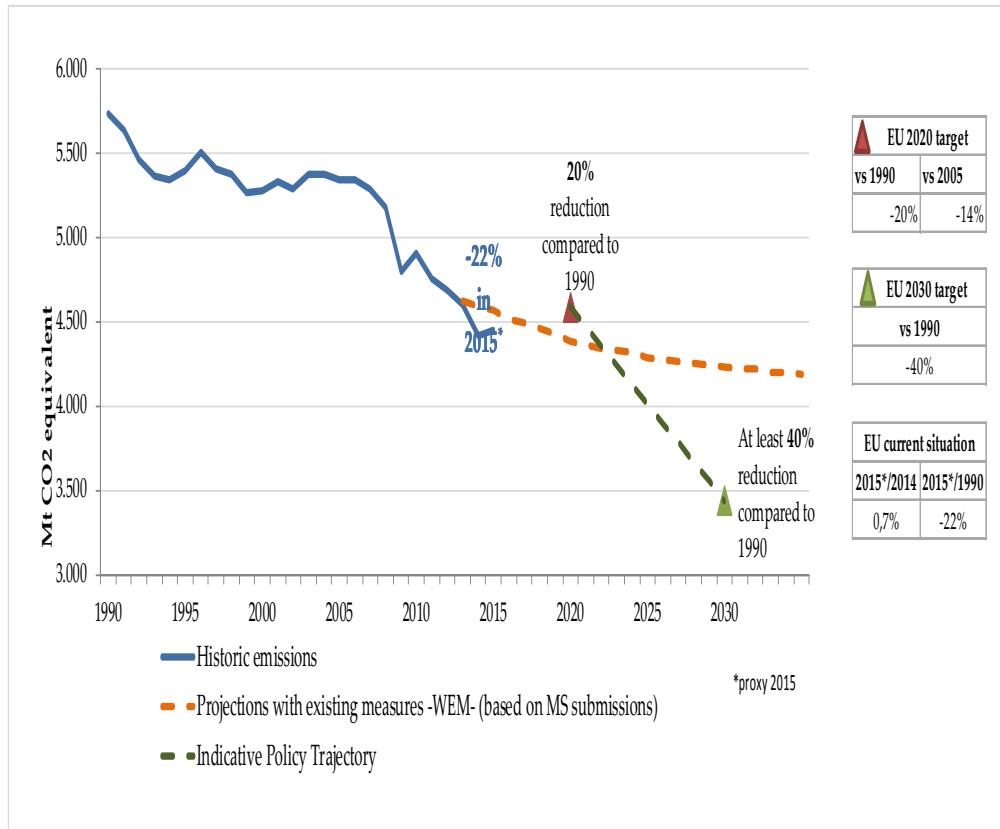




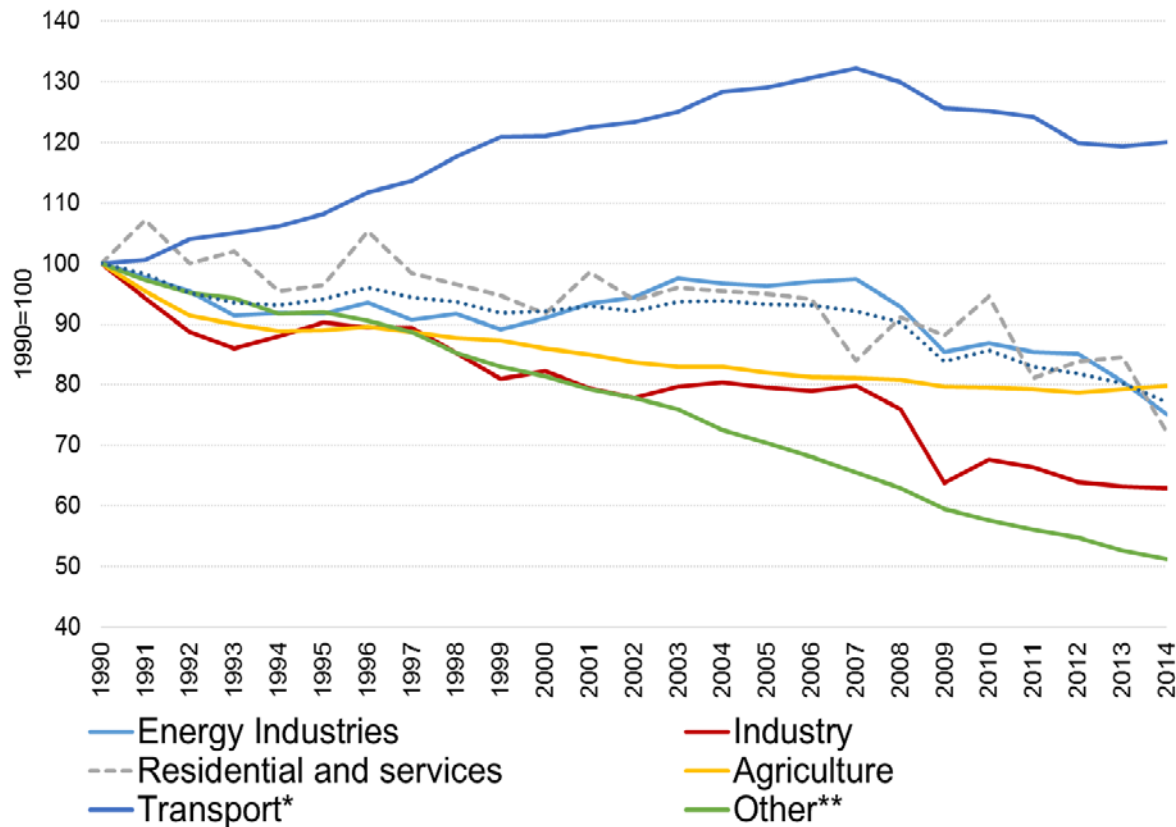
# 2030 Climate and Energy Framework



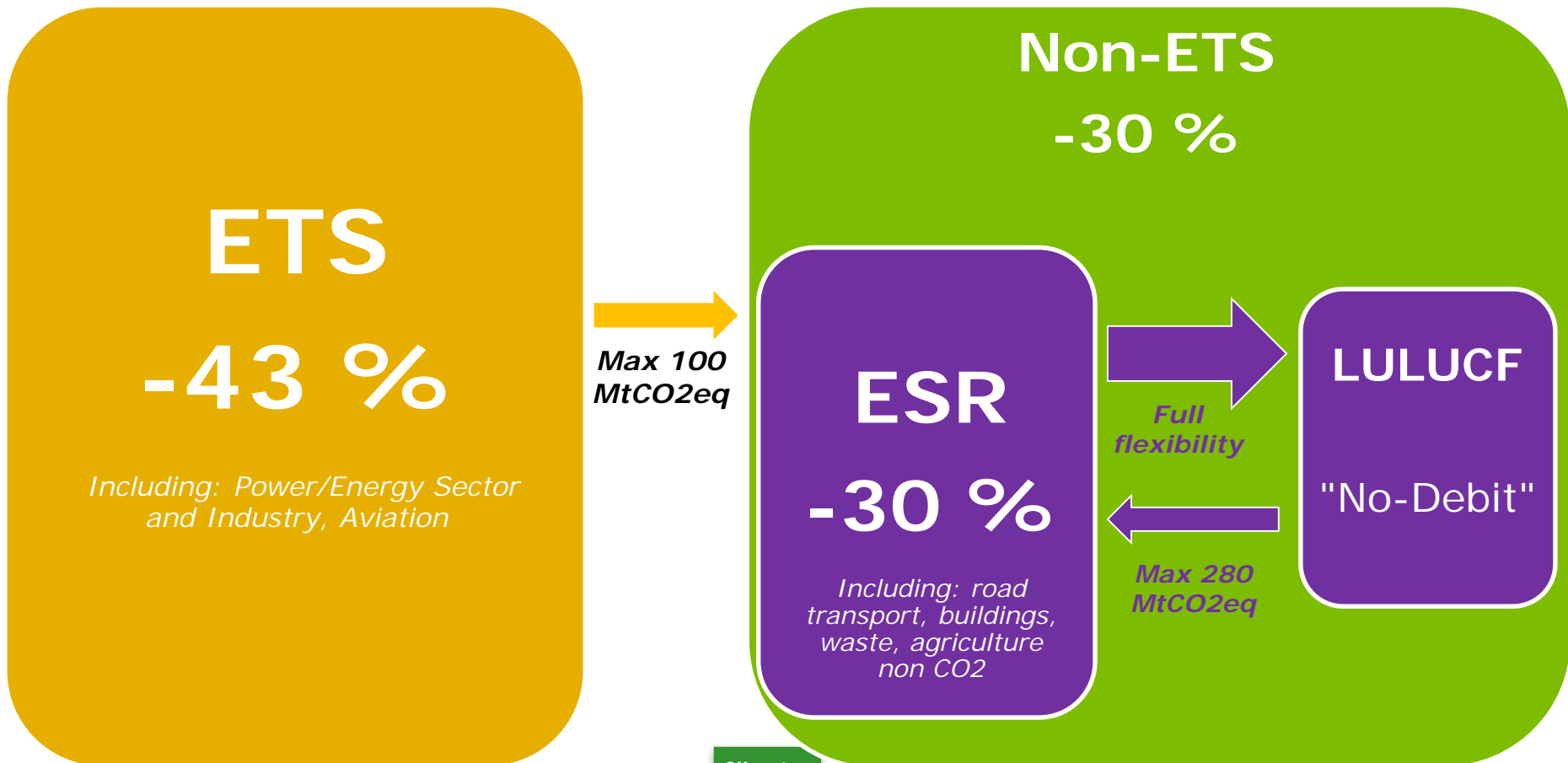
# The development of EU GHG emissions since 1990, future projections until 2030



# Sectoral development of GHG emission in the EU, 1990-2014

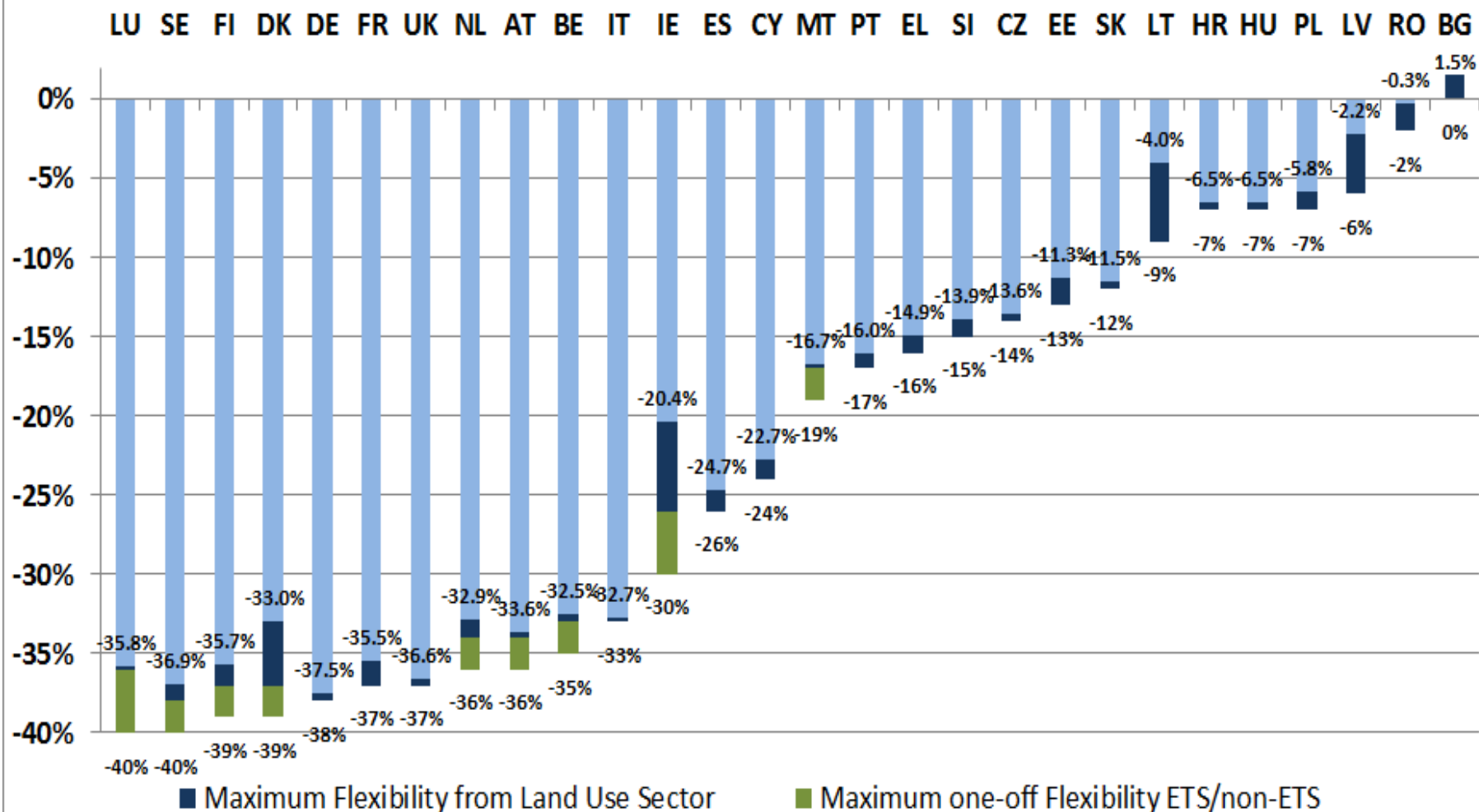


# EU commitment: at least -40 % domestic GHG emissions reductions by 2030





## ESR targets and maximum one-off ETS/non-ETS and land use flexibilities



# Enabling environment

- *Fostering investment*
  - **EFSI , Structural Funds**
  - **InnovFin, Connecting Europe Facility, NER300**
  - **EU ETS revenue**
  - **Modernisation and Innovation Fund (after 2020)**
- *Promoting Energy Union*
  - **Energy efficiency, renewables, market design**
- *Towards Capital Markets Union*
- *Circular Economy*

# Conclusions

- *Paris Agreement: After rapid entry into force, implementation needs to put into "fast forward".*
- *Global transition to low emission economy comes with it huge business opportunities, especially in the energy sector – if managed well.*
- *Accomplishing EU commitment of at least 40% reduction requires an optimum blend of regulatory and enabling measures.*
- *Transition will need to create growth, jobs and competitiveness.*



# Thank you!

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