



Implementing the Paris Agreement

Outlook to COP23 in Bonn

CCIM

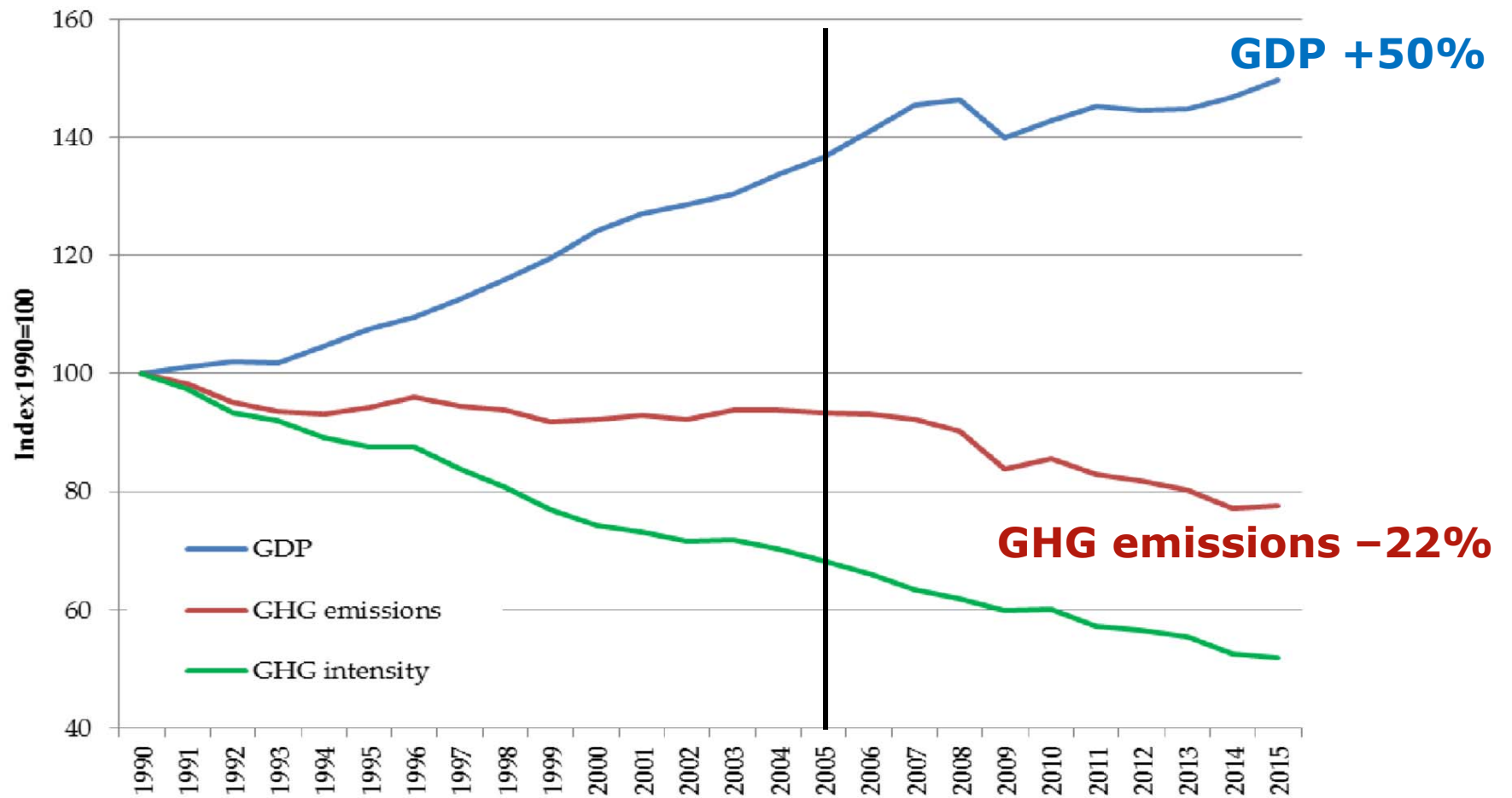
October 31, 2017

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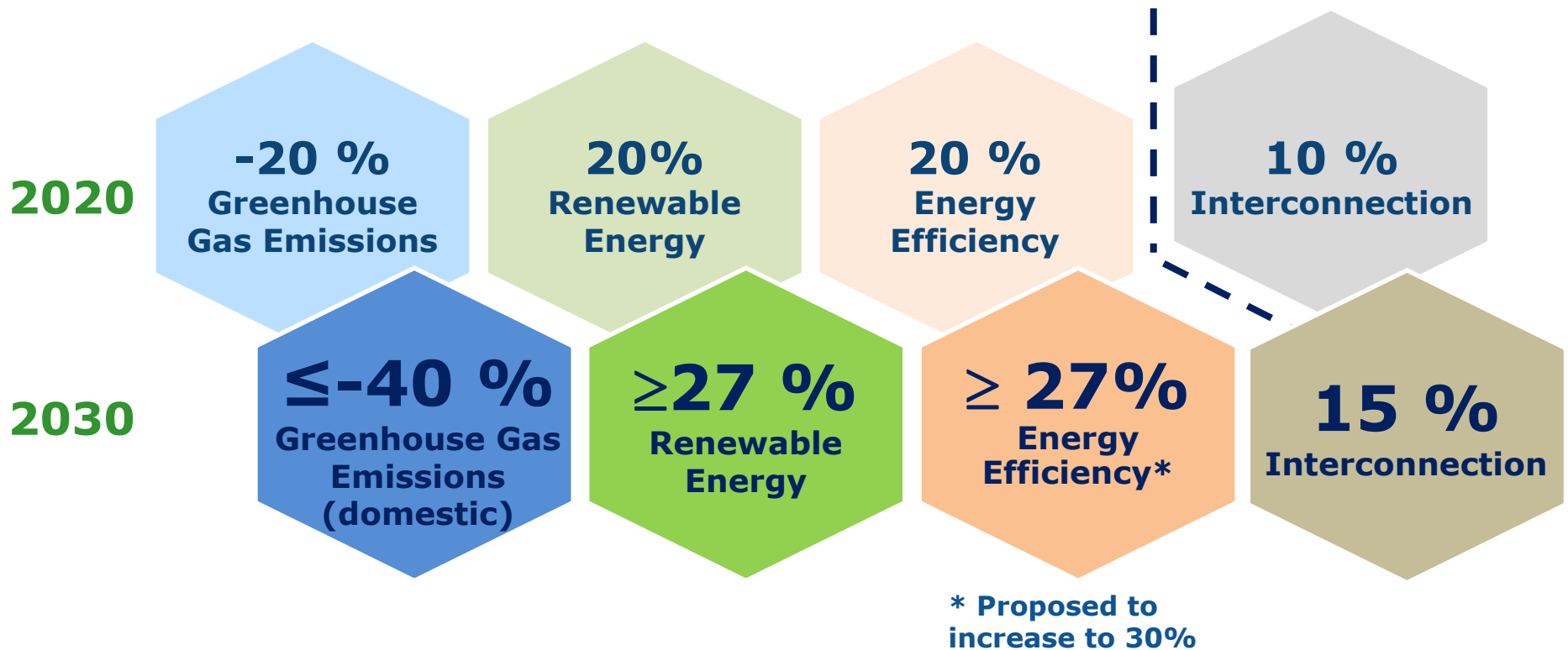
Outline

1. *Overview*
2. *Economy-wide climate initiatives: Emissions trading, effort sharing, and land use*
3. *Sectoral legislation: Energy, transport, waste, fluorinated gases*
4. *Enabling environment*

State of Play: Decoupling EU economic growth from EU GHG emissions, 1990 - 2015



At least 40% emission reductions compared to 1990... Achieved by a coherent set of climate and energy targets



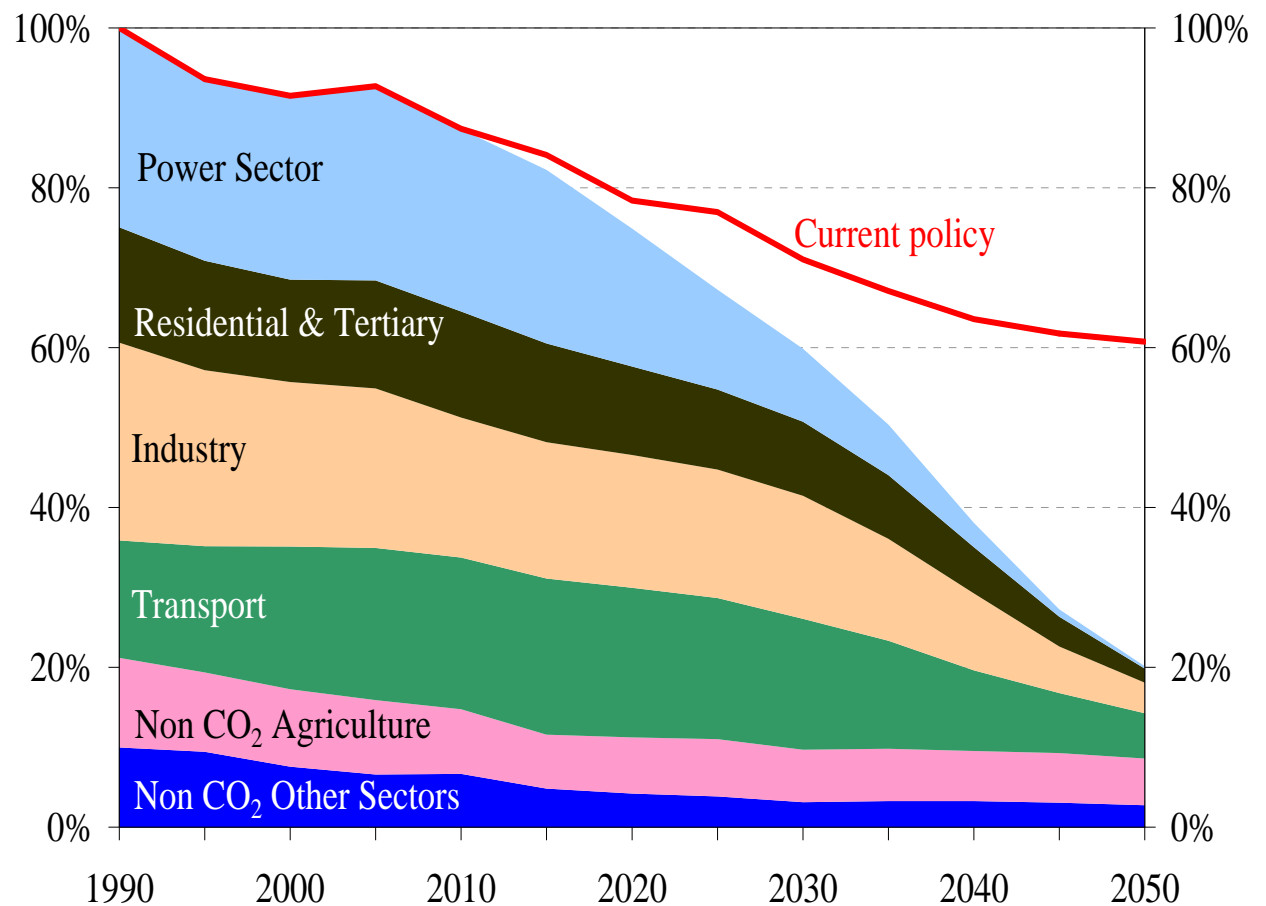
...getting the EU on track to well below 2 degrees Celsius

80% domestic reduction in 2050 is feasible:

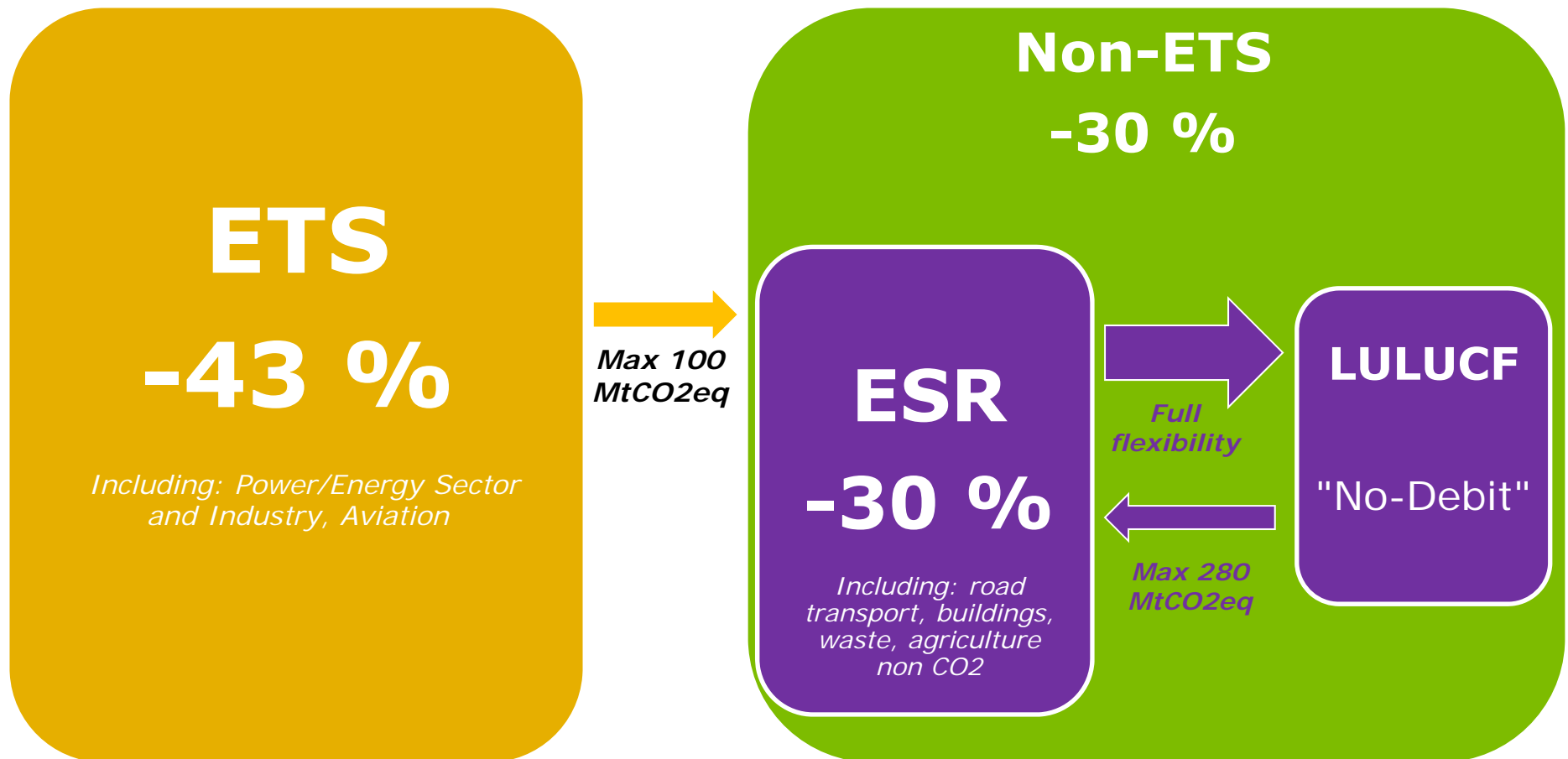
- With currently available technologies,
- If all economic sectors contribute to a varying degree & pace.

Efficient pathway and milestones:

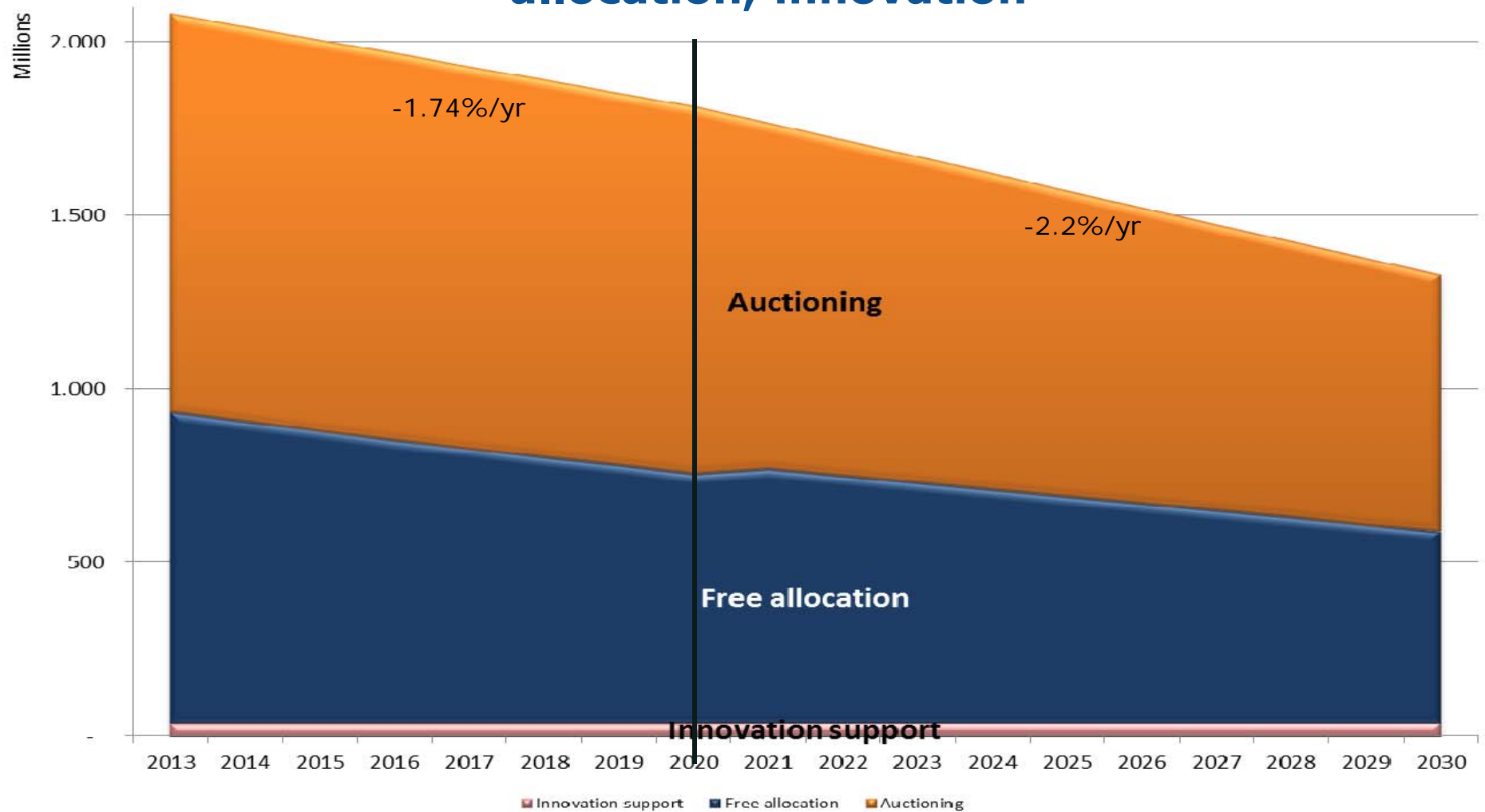
- -25% in 2020
- -40% in 2030
- -60% in 2040



Proposed overarching EU climate policy architecture

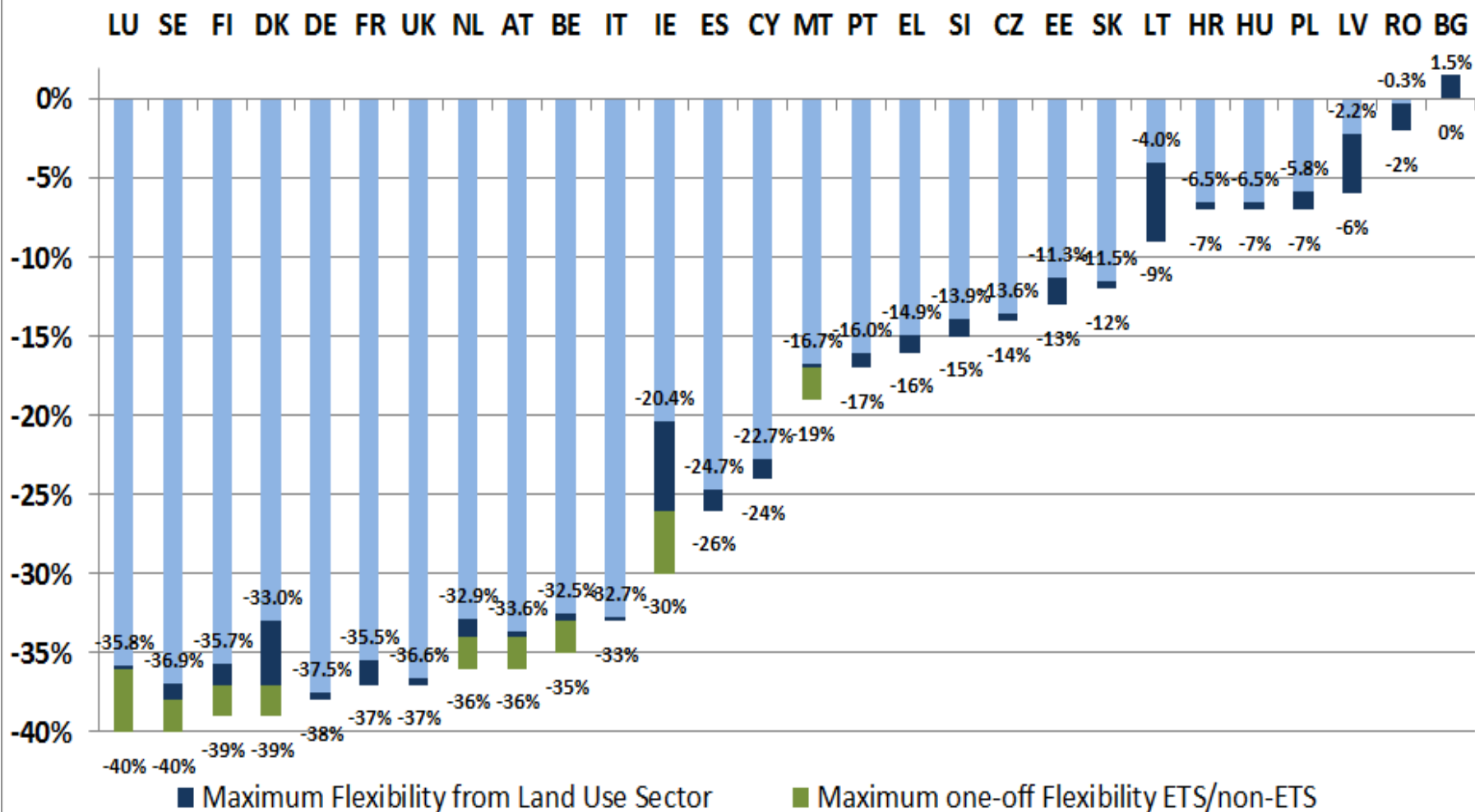


Proposed emissions trading system (ETS): Auctioning, free allocation, innovation





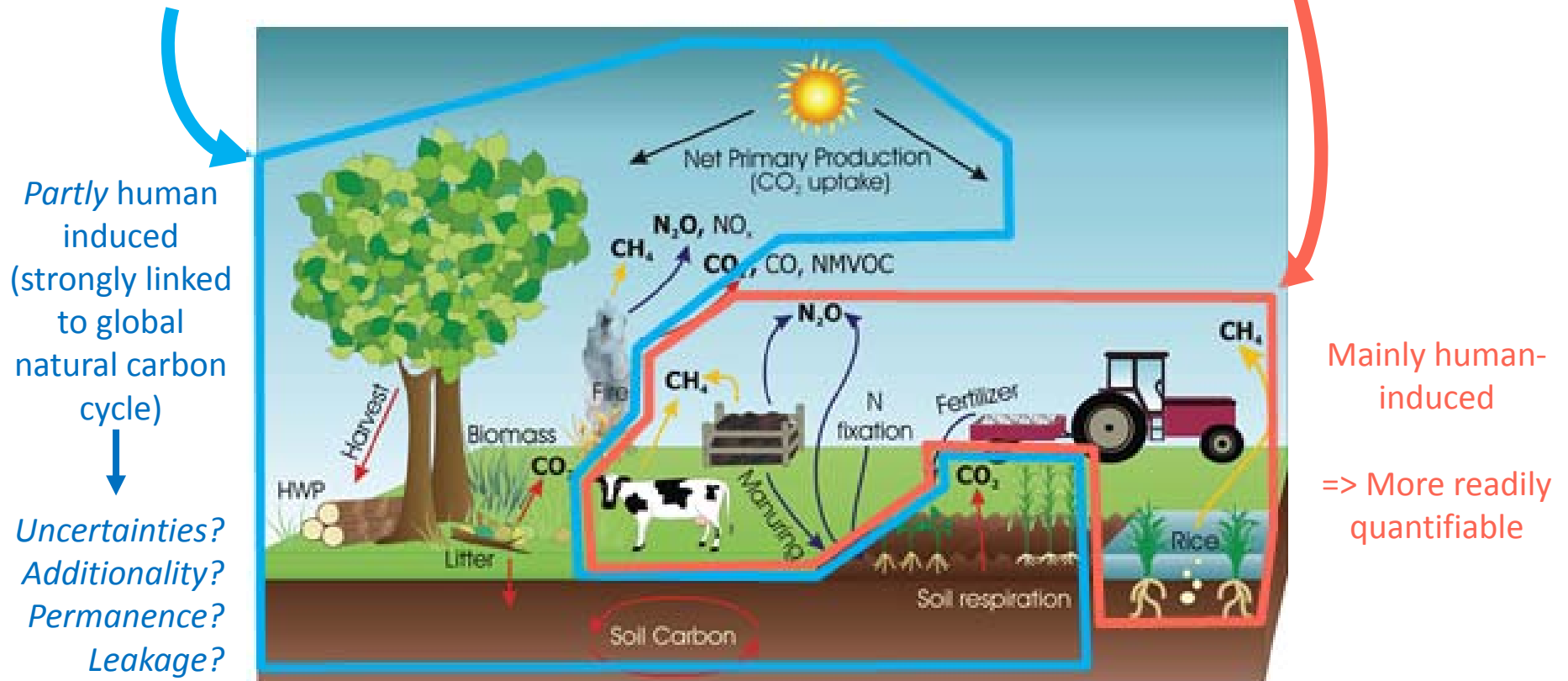
ESR targets and maximum one-off ETS/non-ETS and land use flexibilities



Proposed land use: "No debits" rule

Land Use, Land Use Change and Forestry (LULUCF): mainly CO_2

AGRICULTURE *non- CO_2*
(CH_4 , N_2O) – in the ESR





Energy (1) Making energy more secure, affordable and sustainable

Annual State of the Energy Union

Clean Energy for All Europeans Package: a number of legislative proposals



New Electricity Market Design
(Regulation internal market electricity)



Energy Efficiency
(Energy Efficiency Directive, European Performance of Buildings Directive)



Renewables
(Revised Renewable Energy Directive)



Energy Union Governance
(Governance Regulation)



Energy (2): Governance

PROPOSAL TO STREAMLINE AND INTEGRATE ENERGY AND CLIMATE PLANNING AND REPORTING

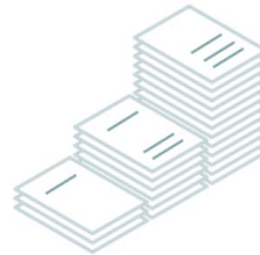
National Integrated Energy and Climate Plans (2021 to 2030)
(preparation well before 2020)

National progress reports
(from 2021, every two years)

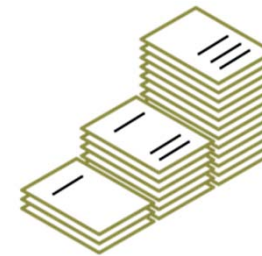
European Commission monitoring
(State of the Energy Union)

TODAY

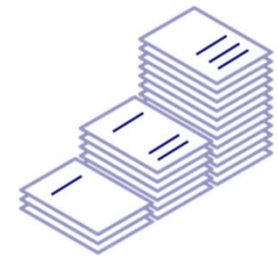
MS planning



MS reporting



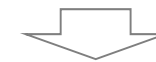
EC monitoring / reporting



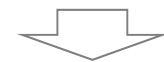
**NEW
GOVERNANCE**



Integrated
national energy
and climate plan



Periodic progress
reports



Periodic State of
the Energy Union

Synchronised with the Paris Agreement's review cycle





Initiatives on low emission mobility

Low Emission Mobility Strategy (July 2016)

Europe on the move (May 2017), including

Proposal on Monitoring and Reporting of CO2 emissions from Heavy Duty Vehicles

Upcoming initiatives:

- *Post-2020 CO2 emission standards for cars and vans (end 2017)*
- *New CO2 emission standards for heavy duty vehicles (1st half 2018)*



Fluorinated greenhouse gases

Context

- *F-gases (HFCs, PFCs and SF₆) are powerful greenhouse-gases with global warming effect of up to 23,000 times greater than the CO₂.*
- *Account to 2% of the EU's overall GHG emissions and have risen by 60% since 1990*

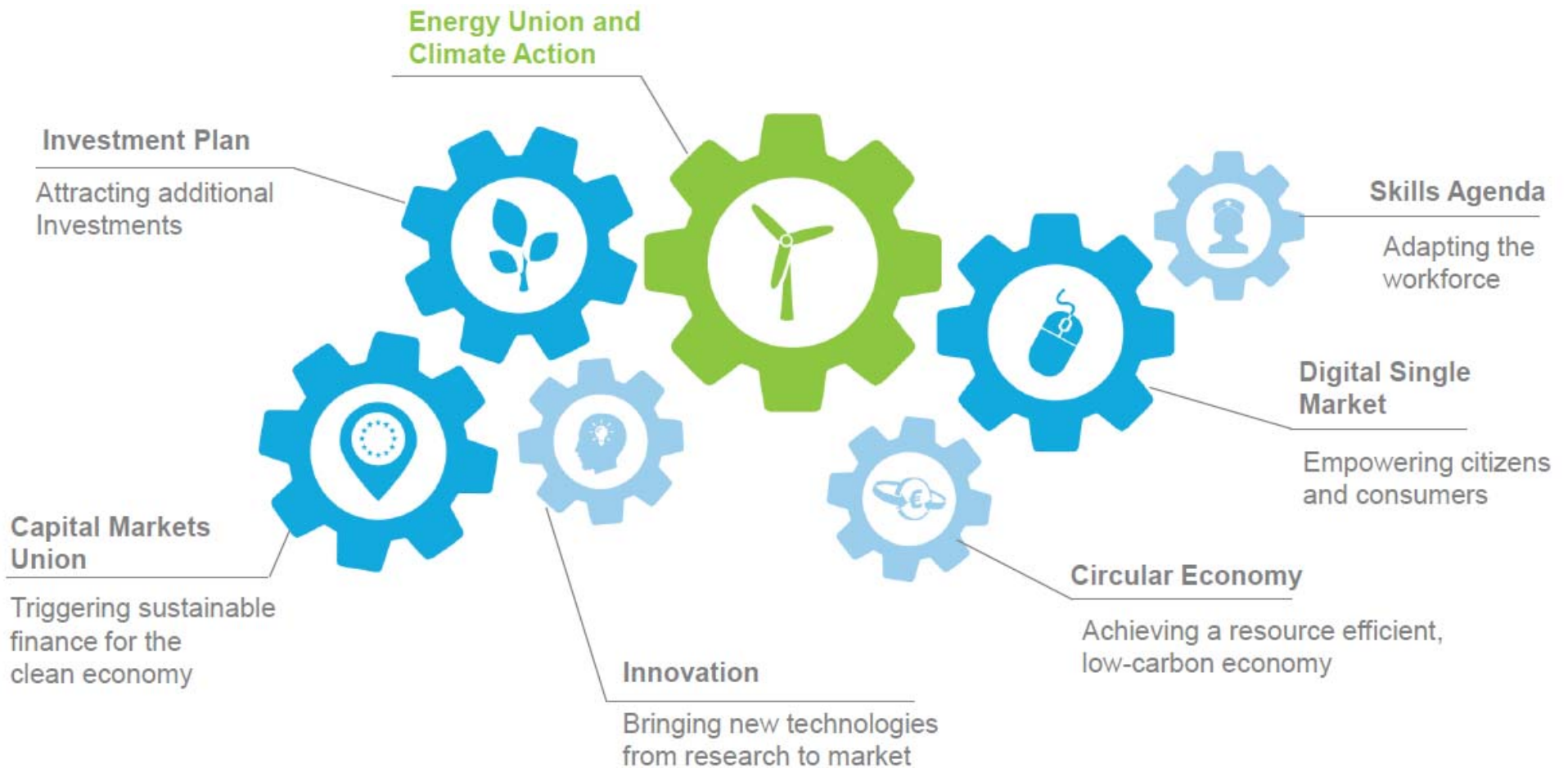
In the EU

- *Stabilized emissions at 2010 through first F-gas regulation (2006)*
- ***New regulation to cut EU's F-gas emissions by 2/3 by 2030 compared to 2014***

Global Action: *2016 Kigali Amendment to the Montreal Protocol introduced a mandatory phase-down of HFCs for developed and developing countries*

- *Developed countries to reduce to 15% of 2011-13 HFC levels by 2036*
- *Most developing countries (including China) to reduce to 20% of 2020-22 HFC levels by 2045; the rest (including India) to 15% of 2024-26 by 2047*

Enabling environment: Integrating climate and energy objectives

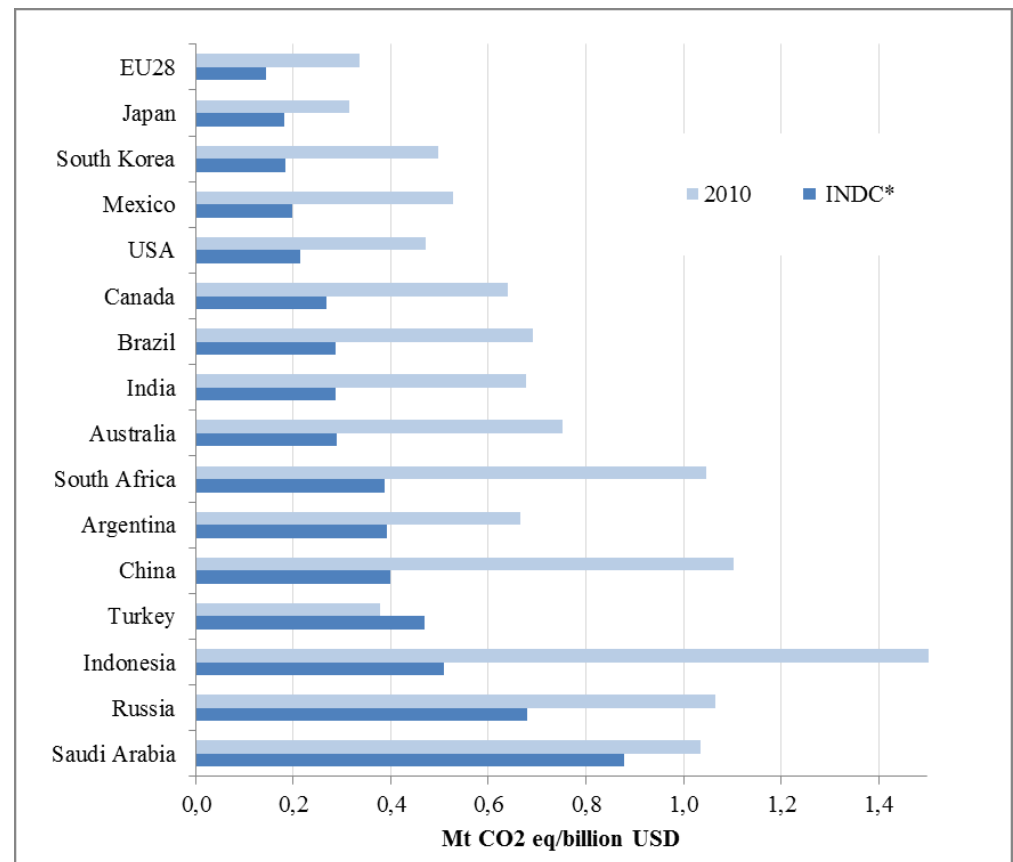


Outlook: Making the EU the most efficient and productive economy worldwide

Significant reduction of GHG intensity of EU economy

EU is one of the most GHG efficient major economies

EU is set to become the most GHG efficient economy in the G20 through the implementation of the 2030 climate and energy targets



Source: The emissions Gap Report 2016-2030 trends and ambition. UNEP, November 2016.



Thank you!

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