



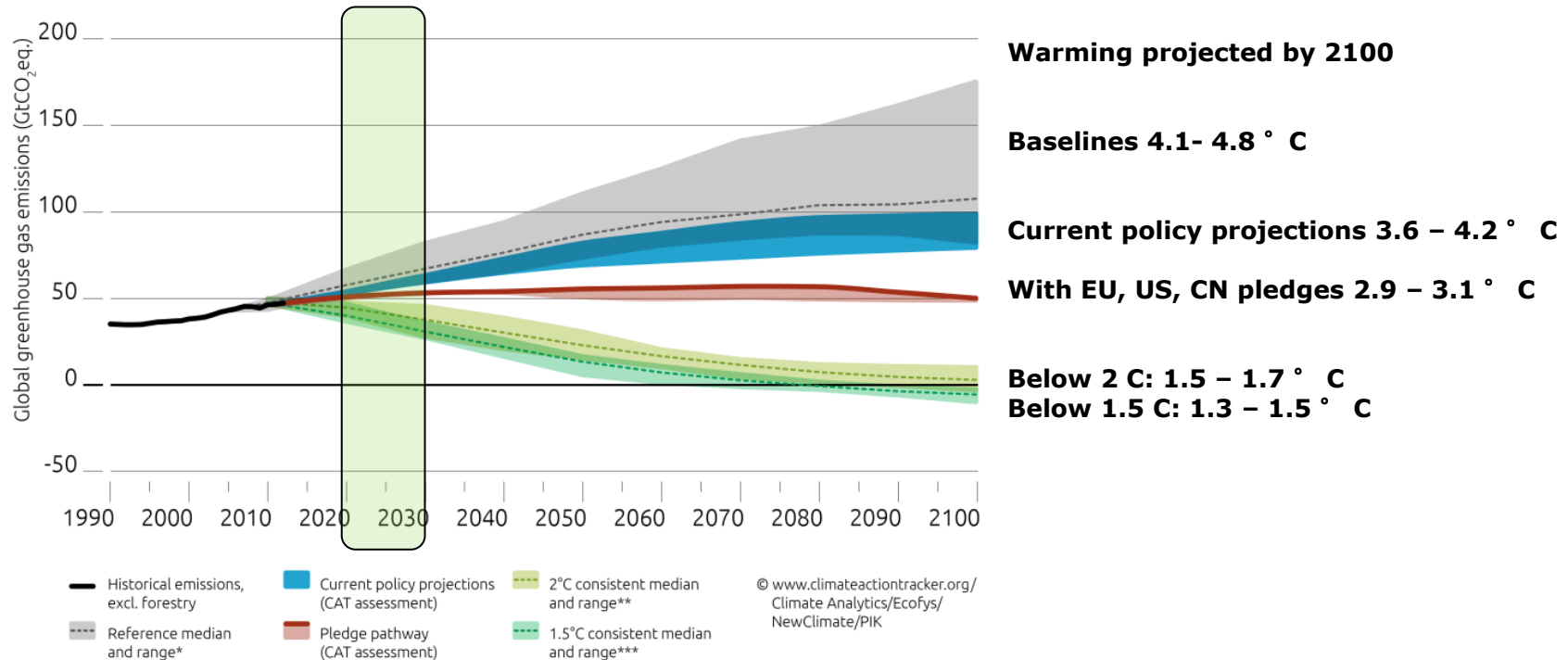
The EU's INDC: a fair and ambitious contribution

A stylized graphic on the left side of the slide. It consists of a grid of squares in various shades of green and blue, with some squares containing a grid pattern. Several white birds are flying across the grid. The overall effect is a modern, digital cityscape.

2030

Lucie Berger,
European Commission
Lucie.berger@ec.europa.eu

Staying below 2° C through global action



* 5-95th percentile of AR5 WGIII scenarios in concentration category 7, containing 64% of the baseline scenarios assessed by the IPCC
 ** Greater than 66% chance of staying within 2°C in 2100. Median and 10th to 90th percentile range. Pathway range excludes delayed action scenarios and any that deviate more than 5% from historic emissions in 2010.
 *** Greater than or equal to 50% chance of staying below 1.5°C in 2100. Median and 10th to 90th percentile range. Pathway range excludes delayed action scenarios and any that deviate more than 5% from historic emissions in 2010.

EU – challenges and opportunities



High energy
import
dependence



Advanced
knowledge
economy

Open, trading
economy



Emissions
trading system

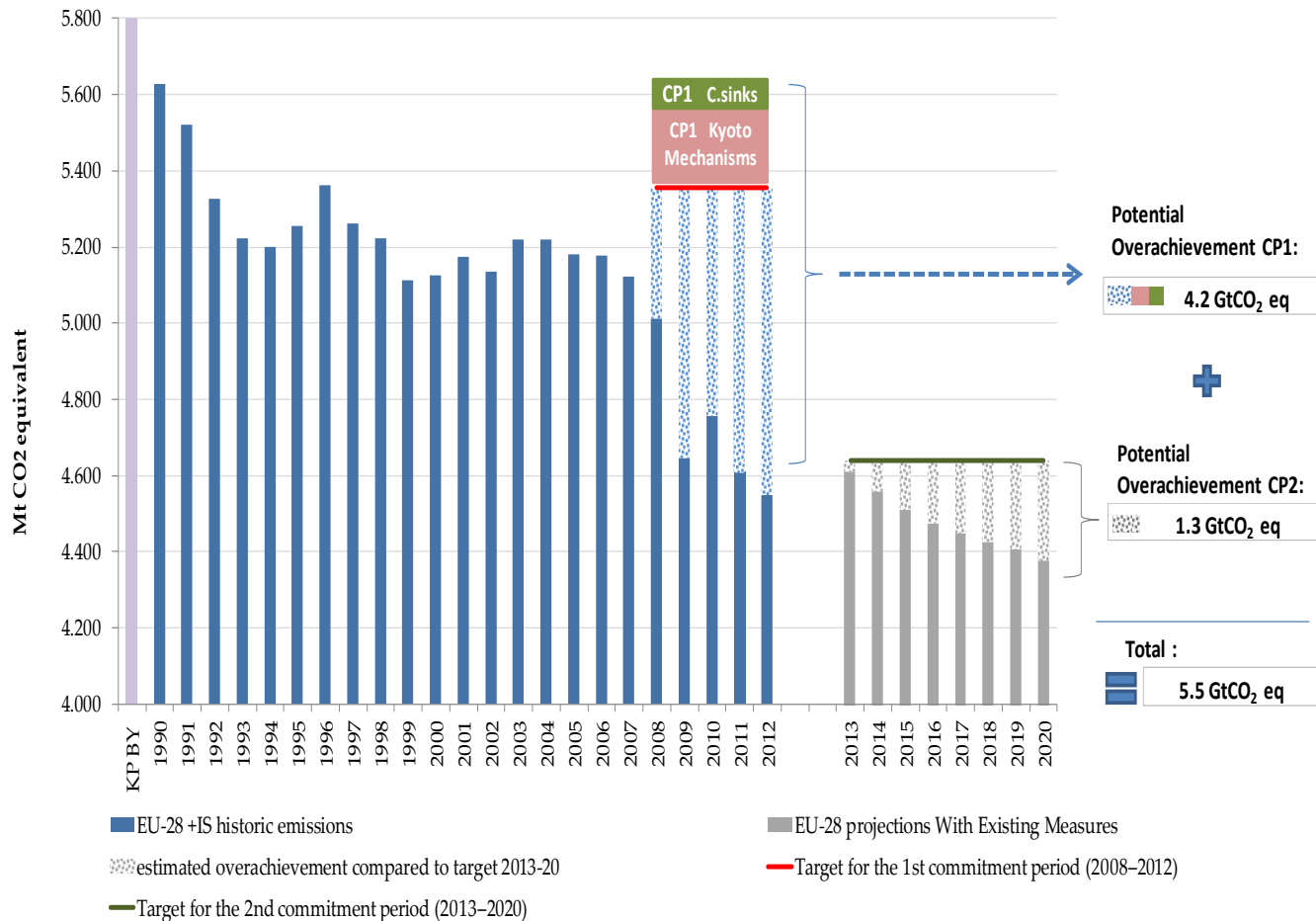


Importance of
energy intensive
industries



Regional and
global
leadership

EU action is delivering: Emissions going down since 1979...

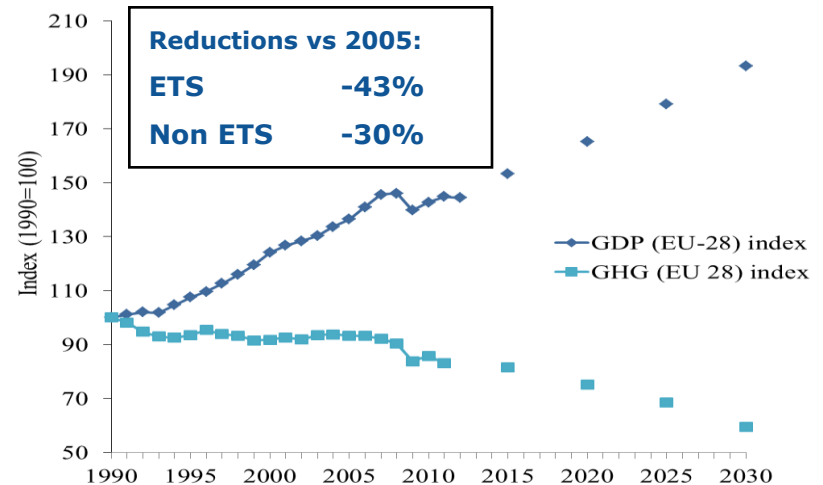
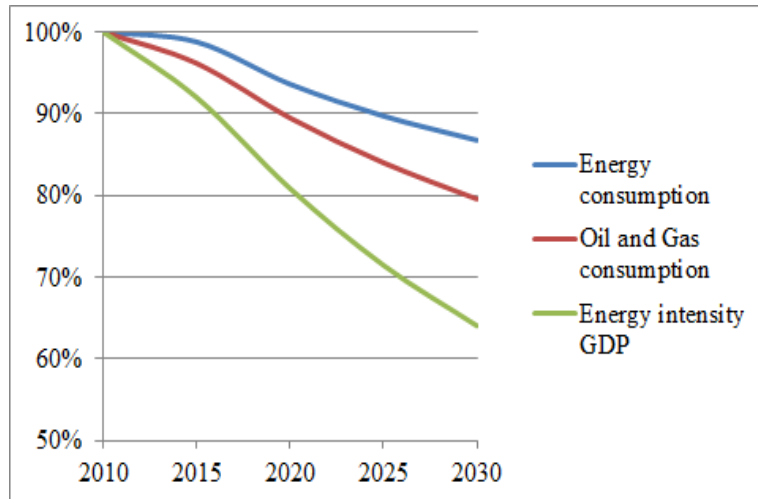


Emission reductions (EU-28 and Iceland):

- Total emissions (without LULUCF) in 2012 are 21.7% below base year levels
- Projected to be around 24,5% below base year levels in 2020.
- Over the period 2008-2012, the average annual emissions are 18.8% below base year levels

...2030 target with additional benefits

- Decoupling of Gross Domestic Product growth from Greenhouse Gas Emissions will continue

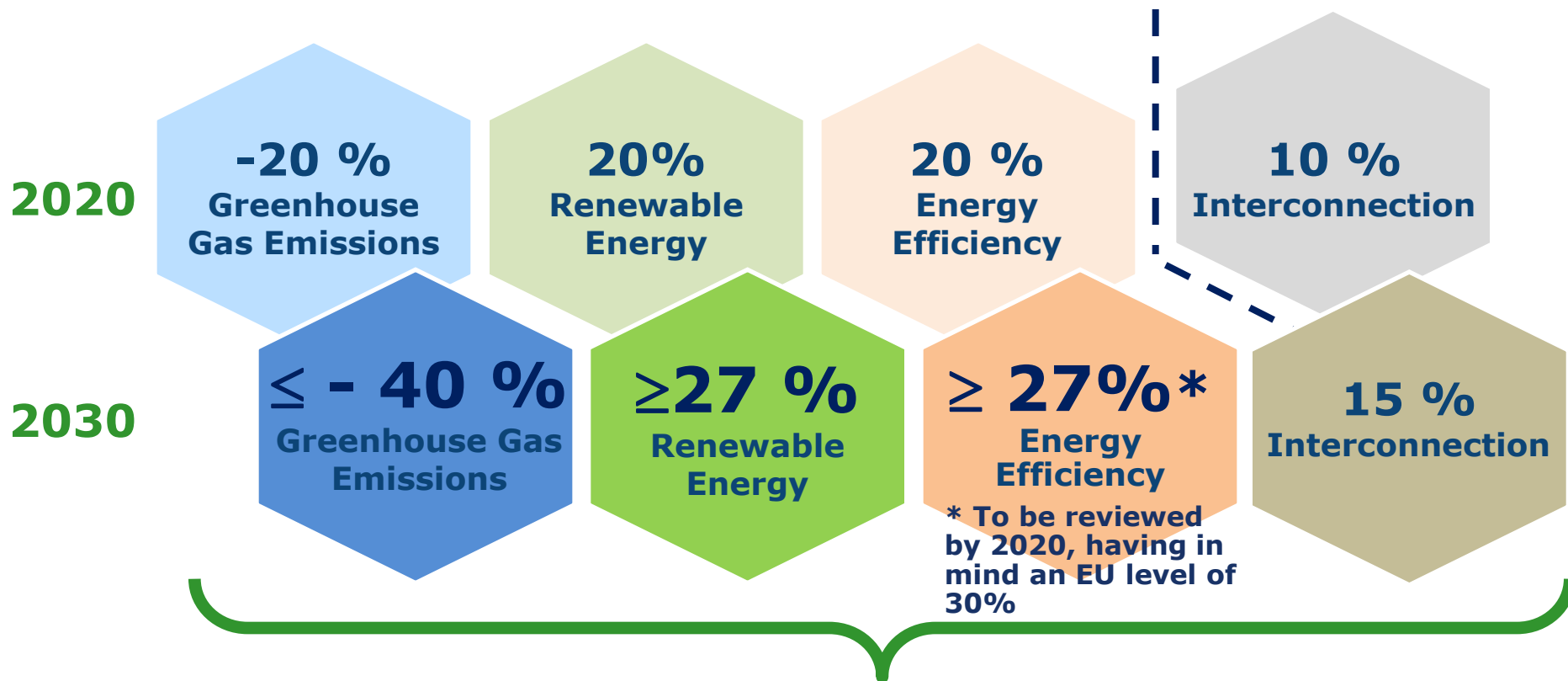


- Fuel savings:** additional € 18 billion fuel per year next 2 decades
- Energy security:** additional 11% cut in energy imports in 2030
- Innovation:** jobs & growth
- Health and air pollution benefits:** €7-13.5 billion in 2030



Elements relevant for EU INDC	
Type	Absolute reduction from base year
Coverage	Economy wide
Scope	CO2, methane, nitrous oxide, F-gases
Base year	1990
Period	2021-2030 inclusive
Reduction level	At least 40% in 2030
Agriculture, forestry, other land uses included	Yes
% of Emissions covered	100%
Net Contribution of International Market Based Mechanisms	No contribution from international credits.
Planning process	EUCO Oct.2014; legislative proposals
Fair and ambitious	In-line with transition to a low emissions economy. Consistent with IPCC's assessment of reductions required from developed countries as a group of 80-95% by 2050. EU emissions peaked already.

2030 Framework for Climate and Energy



New governance system + indicators

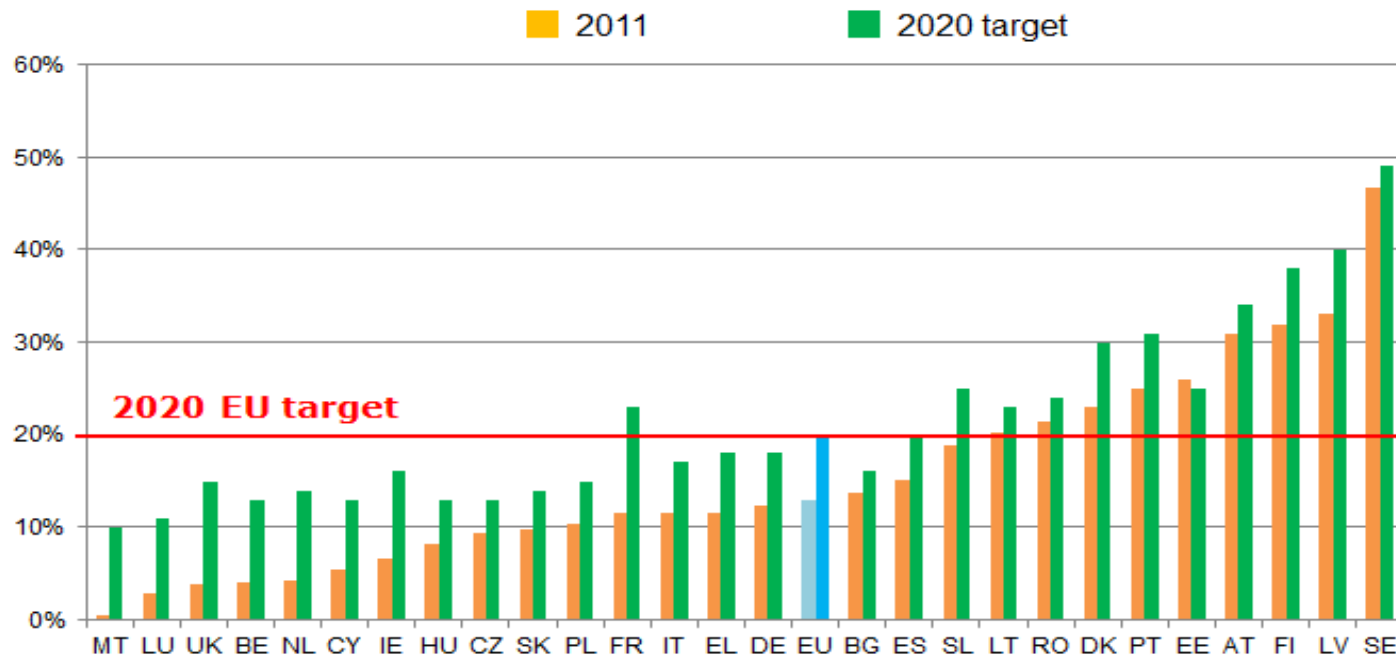
EU ETS

- **Market stability reserve**
- **2030 target: -43%** compared to 2005
 - **Applicable to power sector, manufacturing industry**
- **Innovation fund:** 400 mio EUAs for renewables, CCS, industry
- **Modernisation fund:** around 300 mio EUAs for energy systems in lower income Member States
- **Optional free allocation to power sector:** continued for lower income Member States

Emission reductions in the non-ETS: targets and principles

- **2030 target: -30%** compared to 2005
 - **Applicable to transport, households, agriculture**
- Member State targets **range** between **0% and -40%**
- Target setting guided by **GDP/capita**, supplemented by cost effectiveness criteria
- **LULUCF** to be integrated

Renewable energy sources



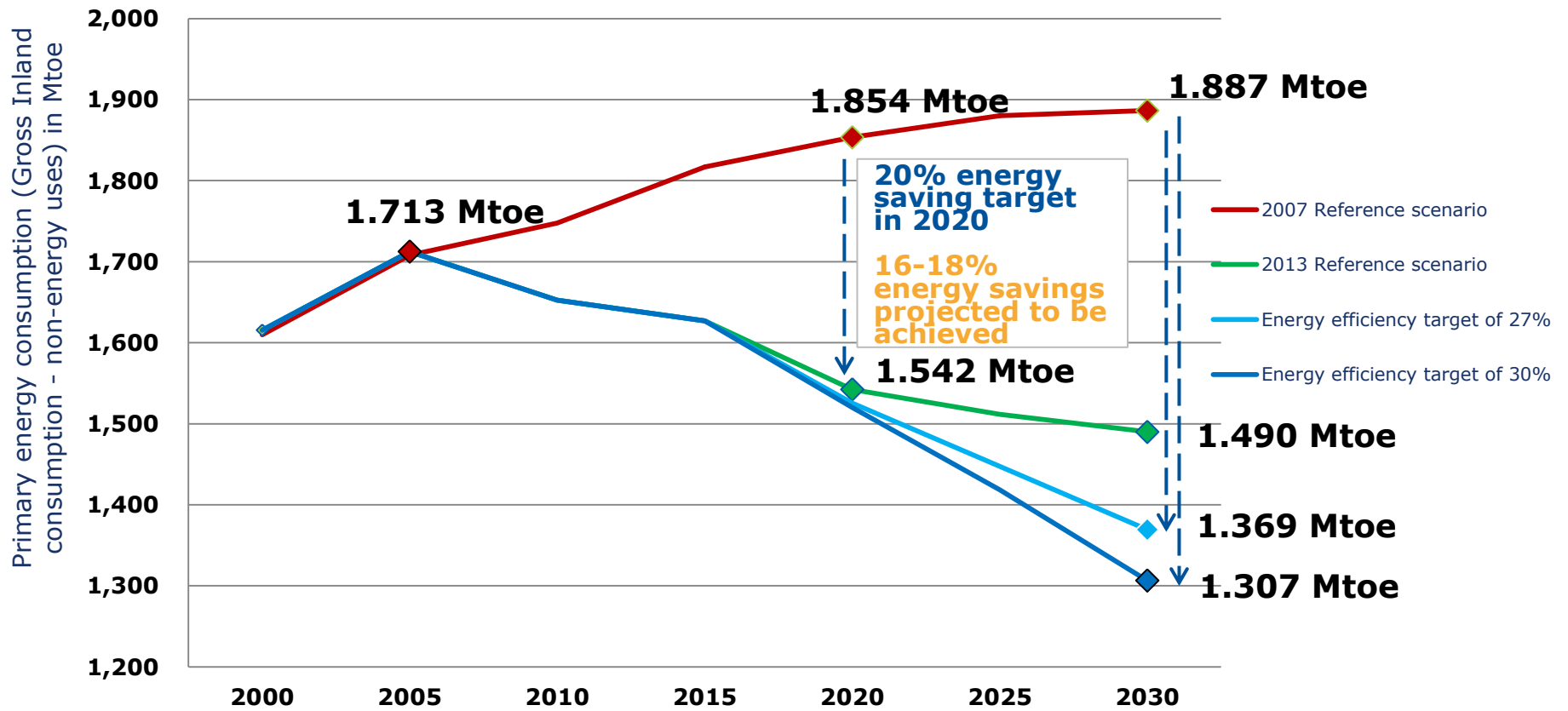
Source: Eurostat

Renewable sources accounted for 14% of the EU final energy consumption in 2013

Energy efficiency:

EU 2030 target: at least 27% of energy savings

2020 and 2030 energy savings targets



Conclusions

- ➔ Fairness and ambition are achievable and necessary
- ➔ Secure a participatory and facilitative reflection prior to Paris – a stocktake of adequacy of aggregate international efforts
- ➔ Establish progressive coalitions around key issues including wide participation, inclusiveness, fairness, dynamism and accountability
- ➔ Save multilateralism