



The Paris Agreement and the EU's response

KLIMAATCOMMISSIE VLAAMS PARLEMENT

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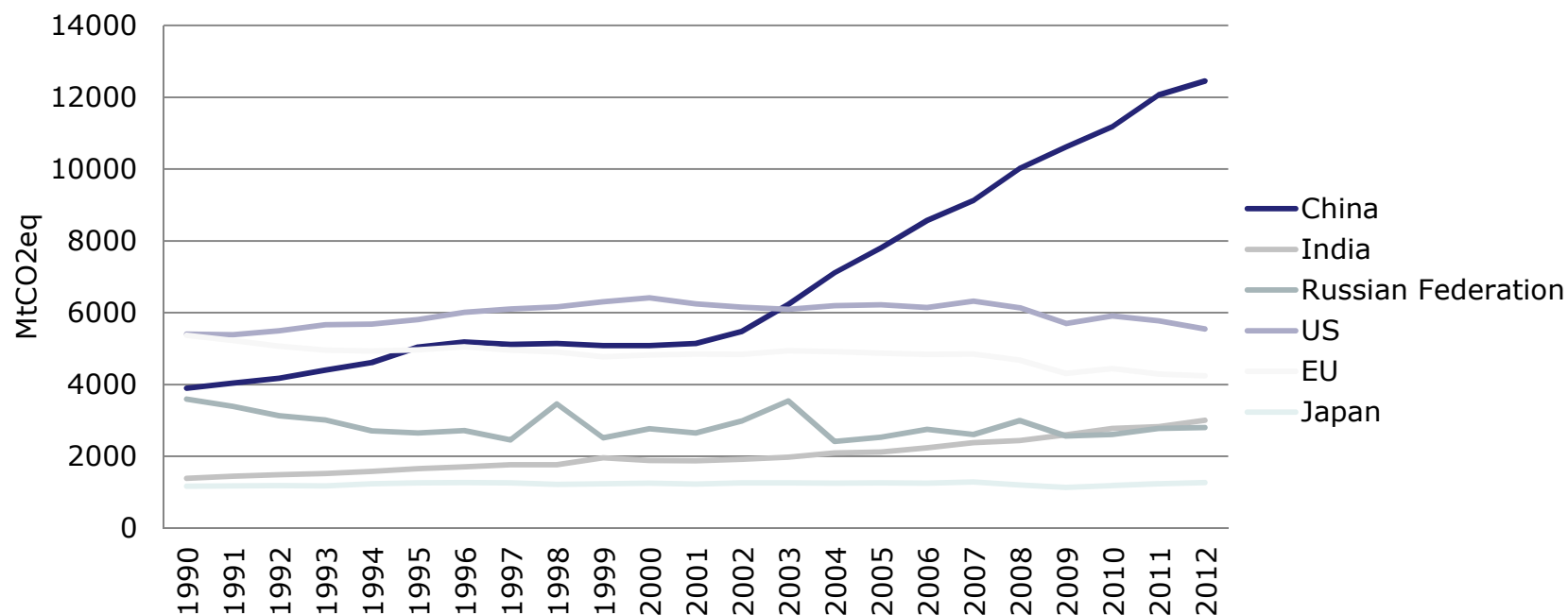


Climate change proven by science : IPCC (2013)

- Warming of the climate systems is unequivocal and observed changes are unprecedented on scales of decades to millennia.
- Human influence on the climate system is clear.
- Continued emissions of greenhouse gases will cause further warming and changes to the atmosphere, land and oceans in all regions of the globe.
- Limit climate change to 2°C compared to pre-industrial level

- **1992 – Rio 'World Summit'**
UNFCCC – UN Framework convention on climate change
- **1997 – Kyoto Protocol**
Divide developed / developing countries
Covered only +/- 12% of global emissions
- **2015 – Paris Agreement**
Recognition that the world has changed
A changed UN approach : balance between 'top down' and 'bottom up'

Emissions of major economies, 1990-2012 (all greenhouse gases, all sources & sinks)



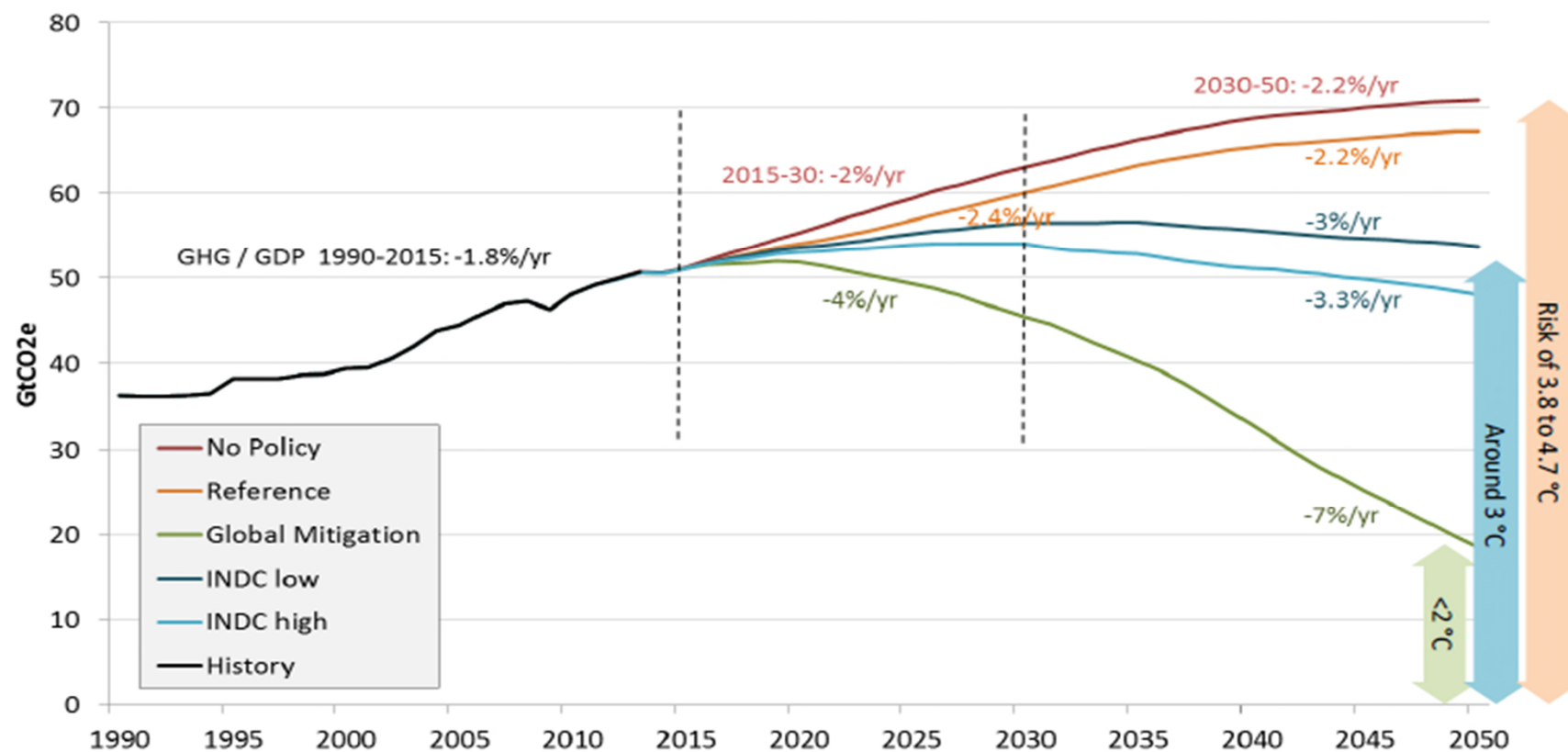
(Source: historical emissions data: inventories data to the UNFCCC (http://unfccc.int/national_reports/))

Climate Policy Pledges (*INDCs*) to Paris

- *INDCs submitted representing over 97% of global GHG emissions*
- *189 countries*
- *UNFCCC Synthesis Report / IEA Analysis*
- *Rather 3° instead of 2°C outcome*

World emissions

(GtCO₂e, total excluding sinks) and percent change
in emission intensity per unit of GDP



Source: POLES – JRC Model



The Paris Agreement

- **Legally binding, universal Agreement**
- **Long-term goal**
- **5-year ambition cycle**
- **Transparency and accountability**
- **Support for developing countries**



Paris timetable

- **2018 Facilitative Dialogue and 2020 deadline:**
 - Parties with 2025 targets (USA, Brazil) will communicate a new post-2025 target by 2020
 - Parties with 2030 targets (EU, most others) may confirm or update these targets by 2020
 - IPCC special report on 1.5°
- **2020 : Mid-Century Strategy**
 - EU may update its 2050 roadmap
- **2023 : Global Stocktake**
- **2025 : Communication of targets post-2030**



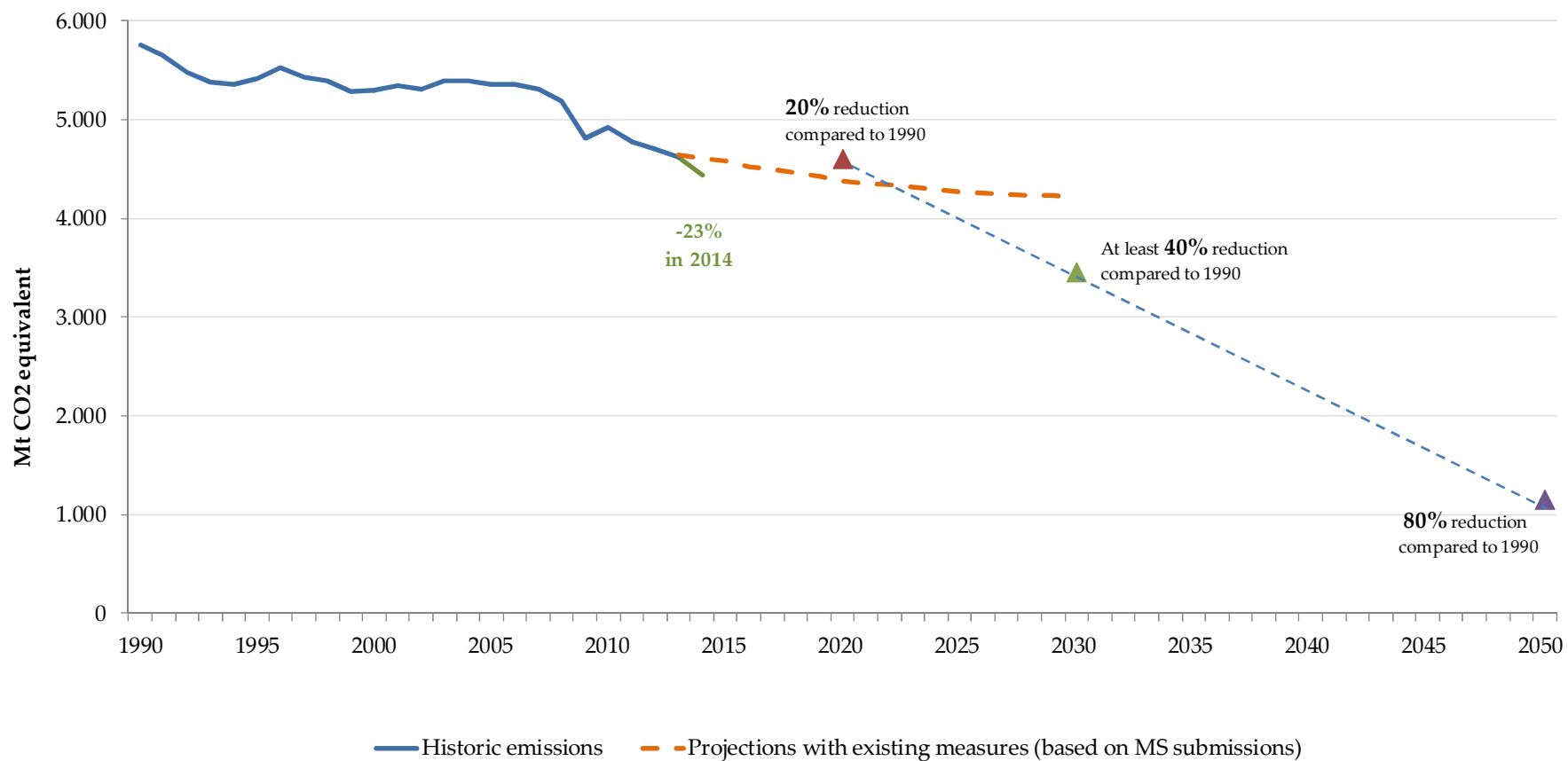
EU Climate Policy EXPLAINED



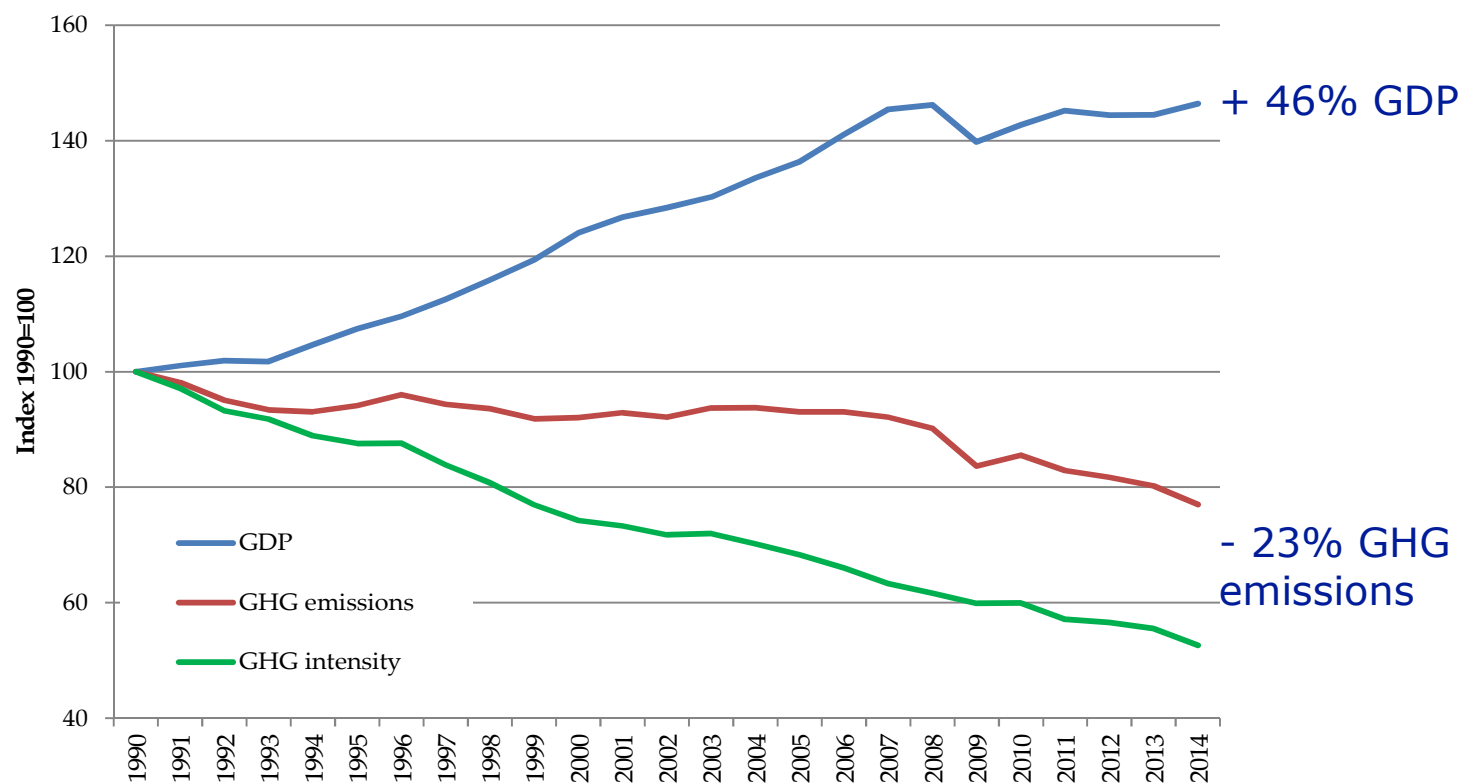
Edited by
JOS DELBEKE and **PETER VIS**



Total EU GHG emission trend

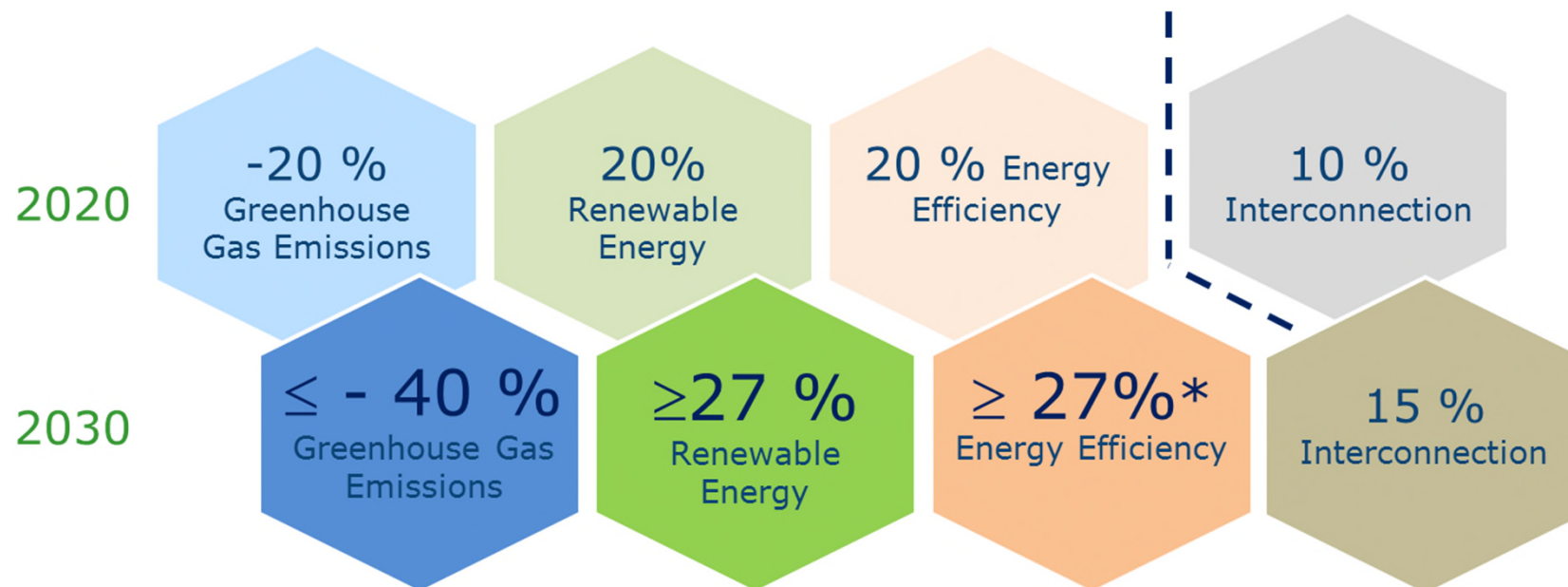


EU : Decoupling growth from emissions

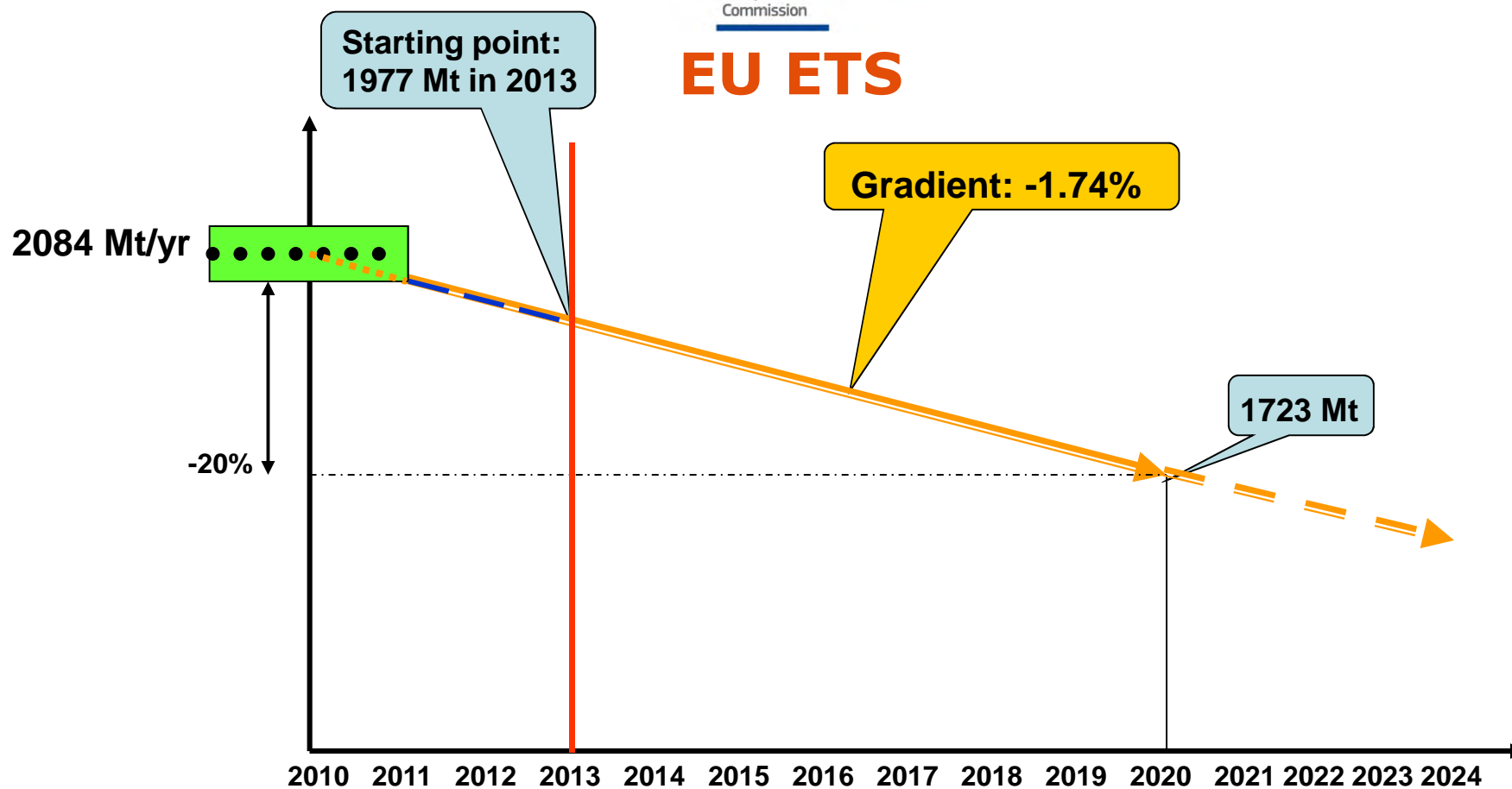


Source: European Commission based on data compiled by EEA

EU :2030 Climate and Energy Framework



EU ETS



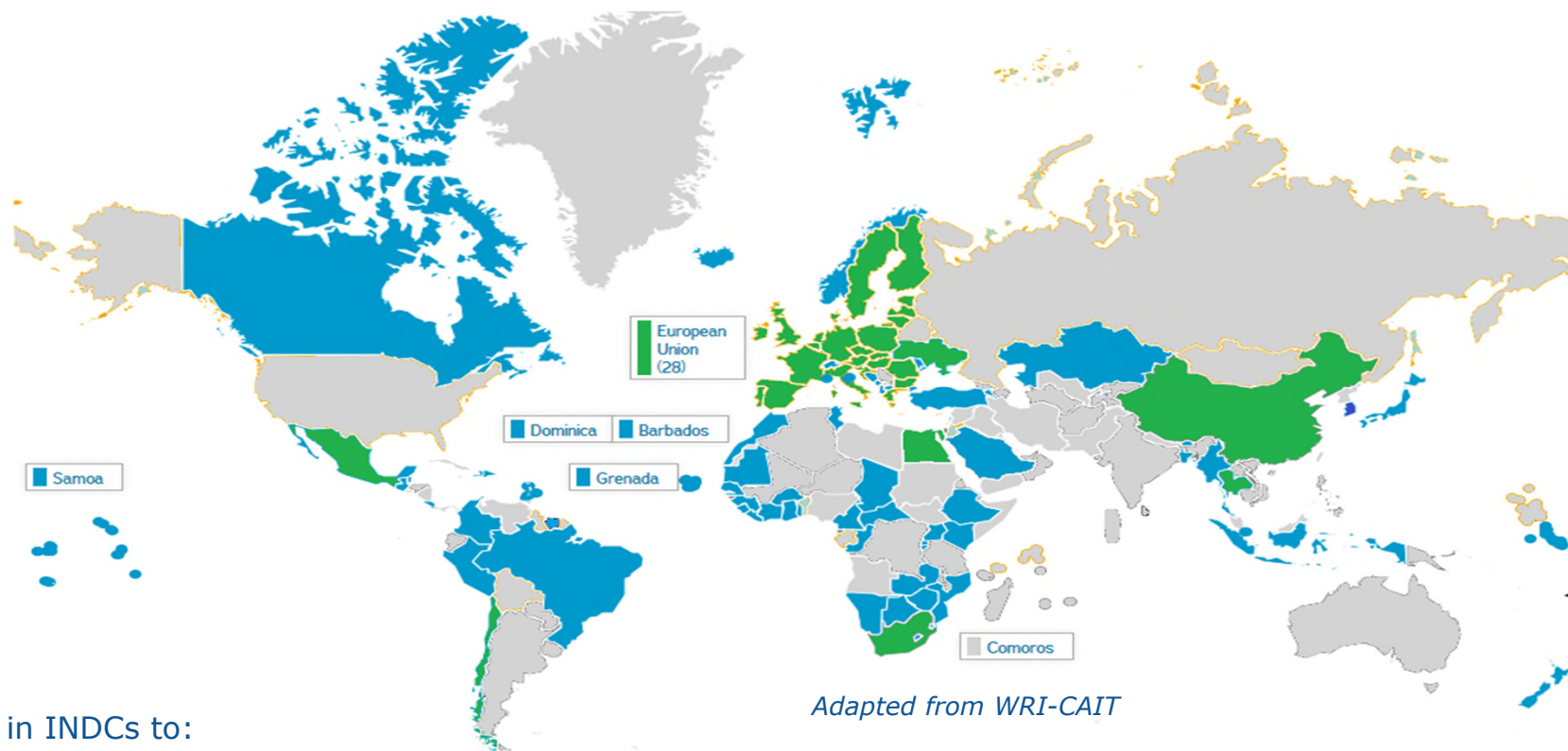
- Revision of linear factor until 2025
- Inclusion of aviation does not affect cap for stationary installations
- Disclaimer: figures are only for illustration and do not take into account extended scope as from 2013

The European carbon market

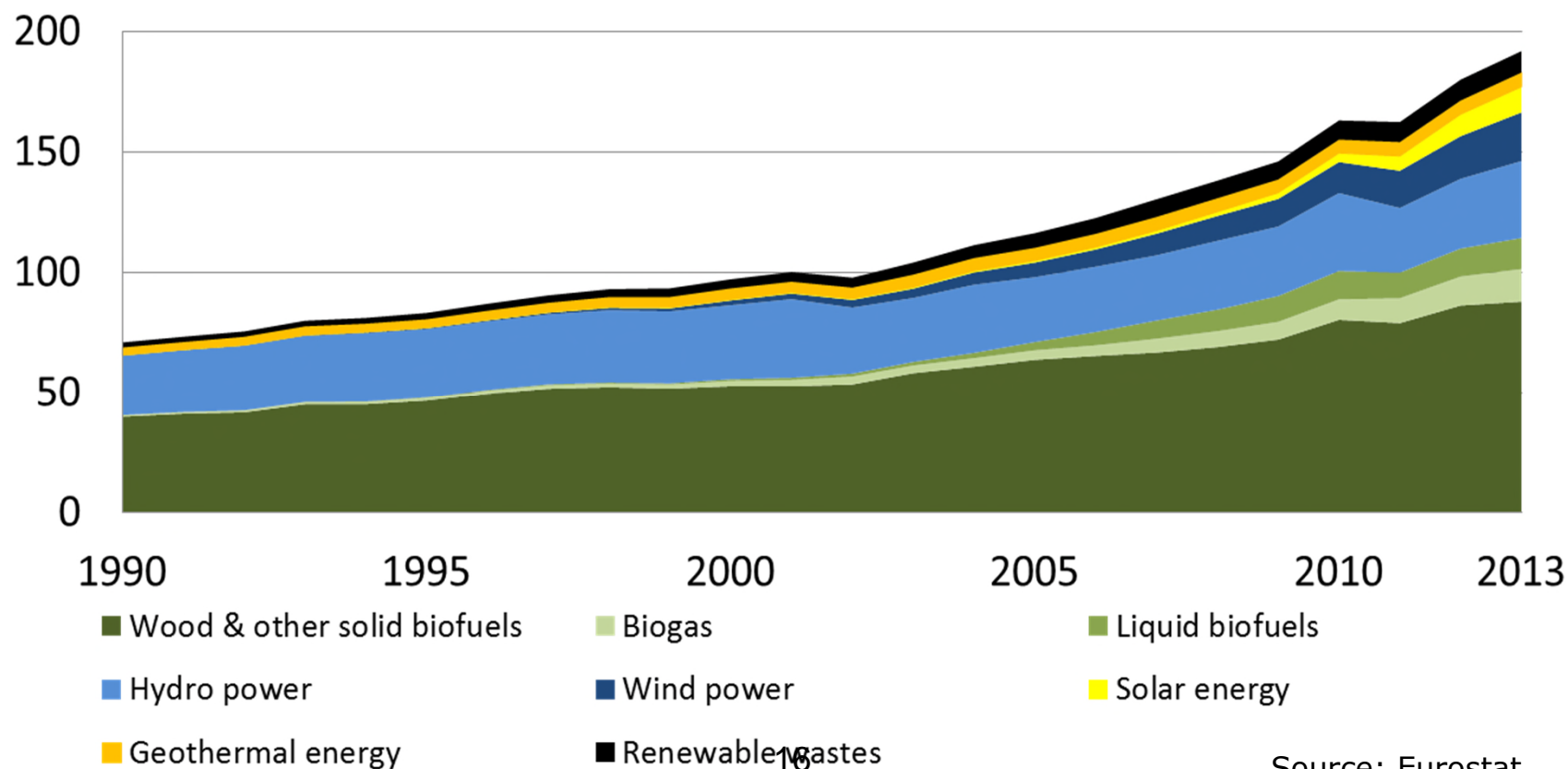


Source: adapted from Bloomberg New Energy Finance (2015)

INDCs : References to carbon pricing

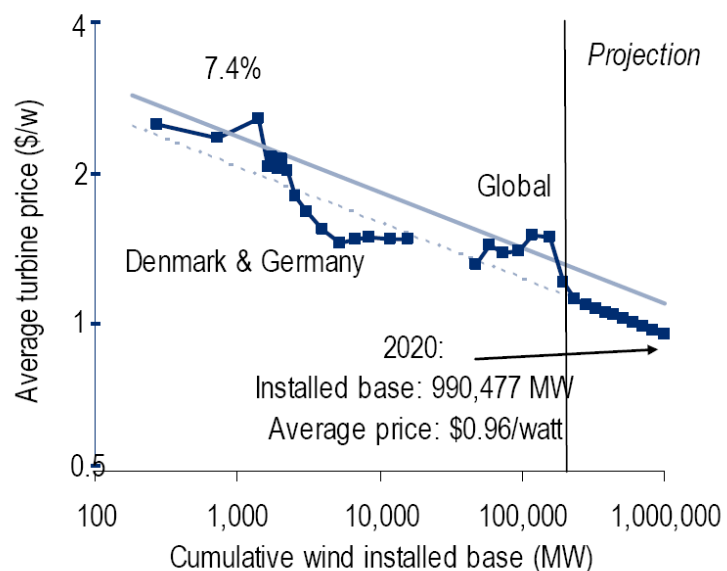


EU : Renewable energy : today 16 % of energy use in the EU (Mtoe)

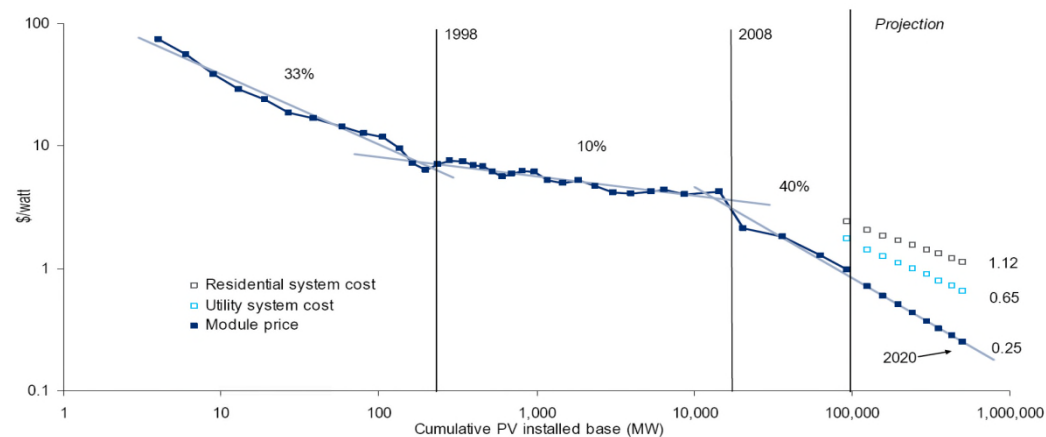


Renewables policies contribute to reduce technology cost

Wind

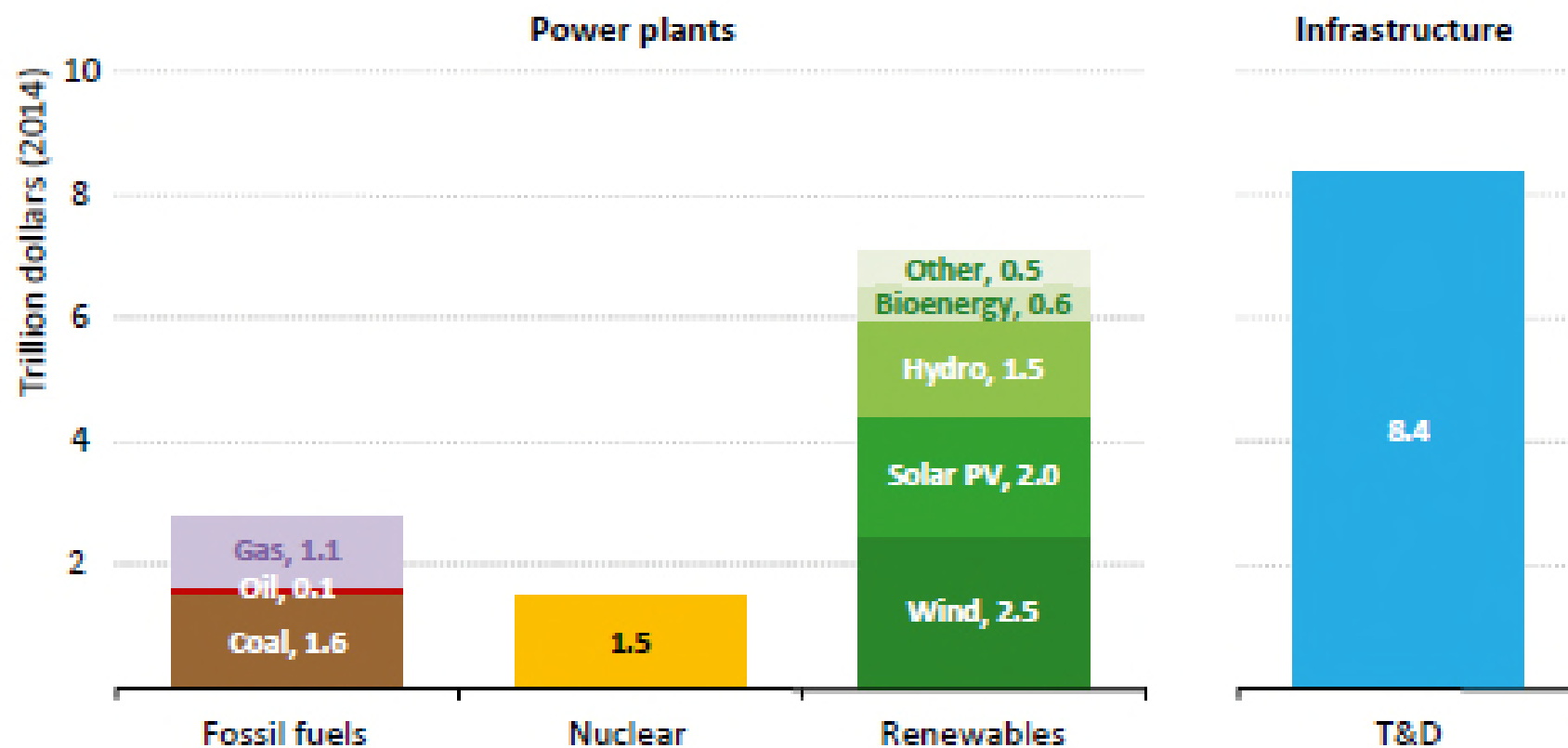


Solar

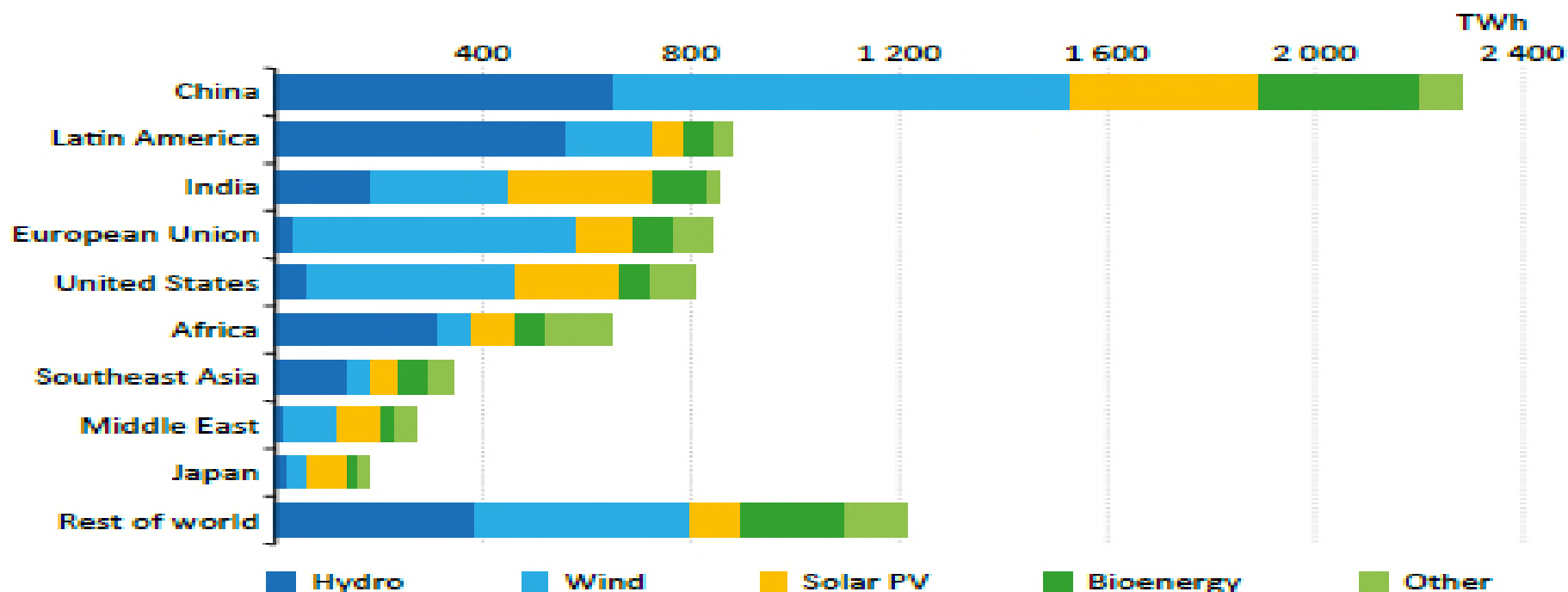


Source: Bloomberg New Energy Finance, Citi Research

INDCs : Global cumulative investment in the power sector, 2015 – 2040 (IEA WEO2015)



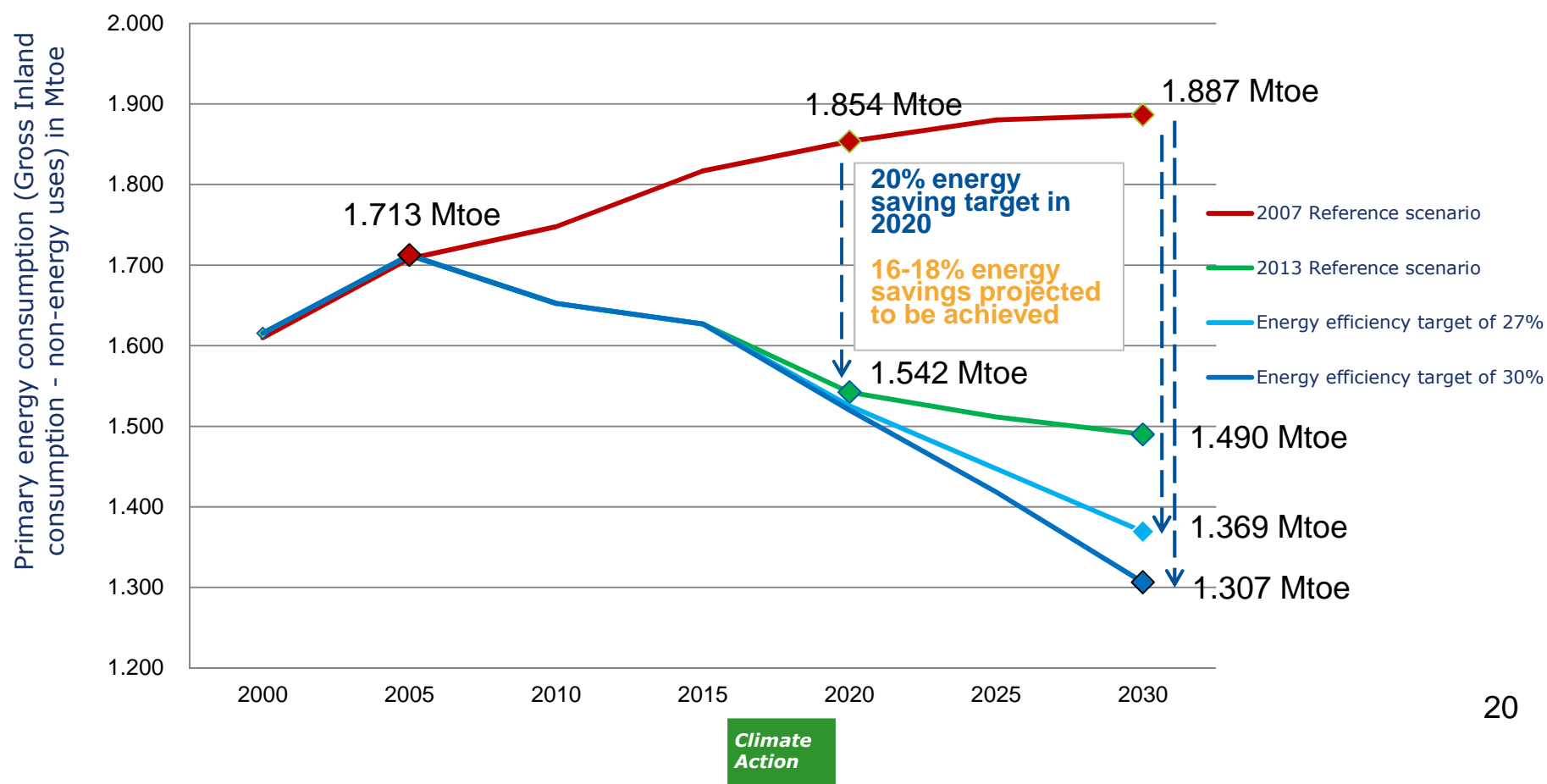
INDCs : Growth in renewable electricity generation, 2013-2040 (IEA WEO2015)



Note: Other includes geothermal, concentrating solar power and marine.

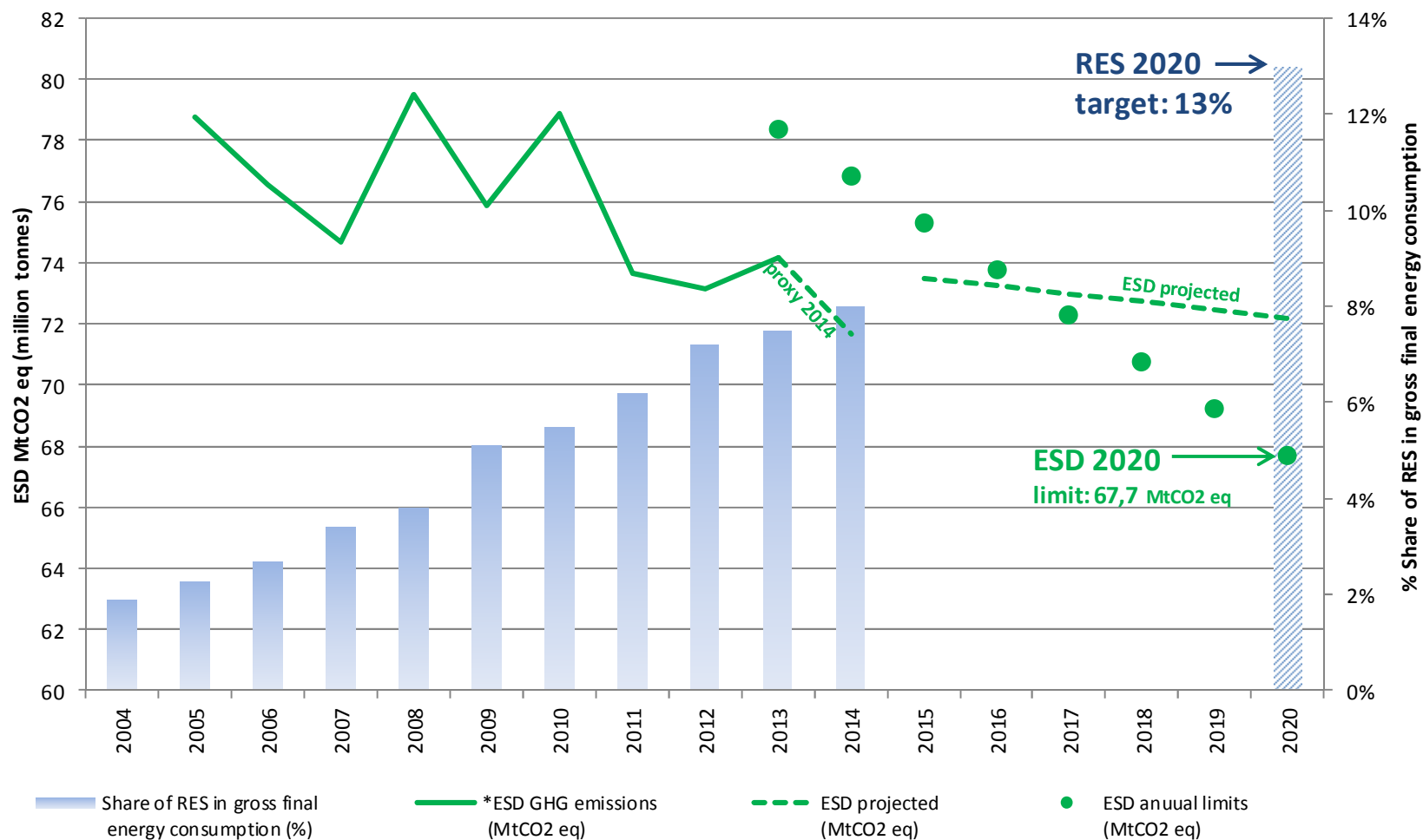
Energy efficiency: EU 2030 target: at least 27% of energy savings

2020 and 2030 energy savings targets



Belgium's progress

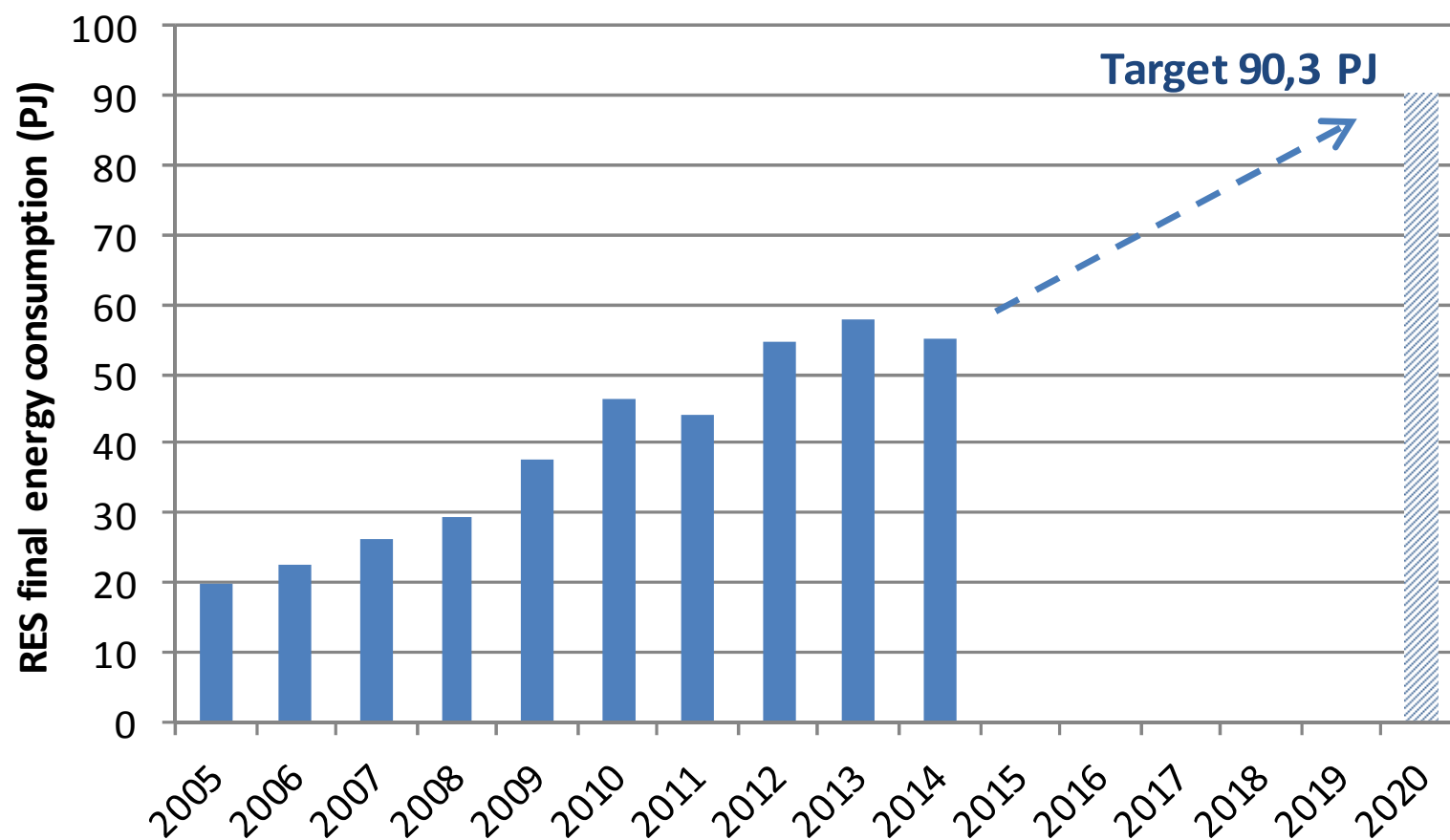
- ESD and RES targets -



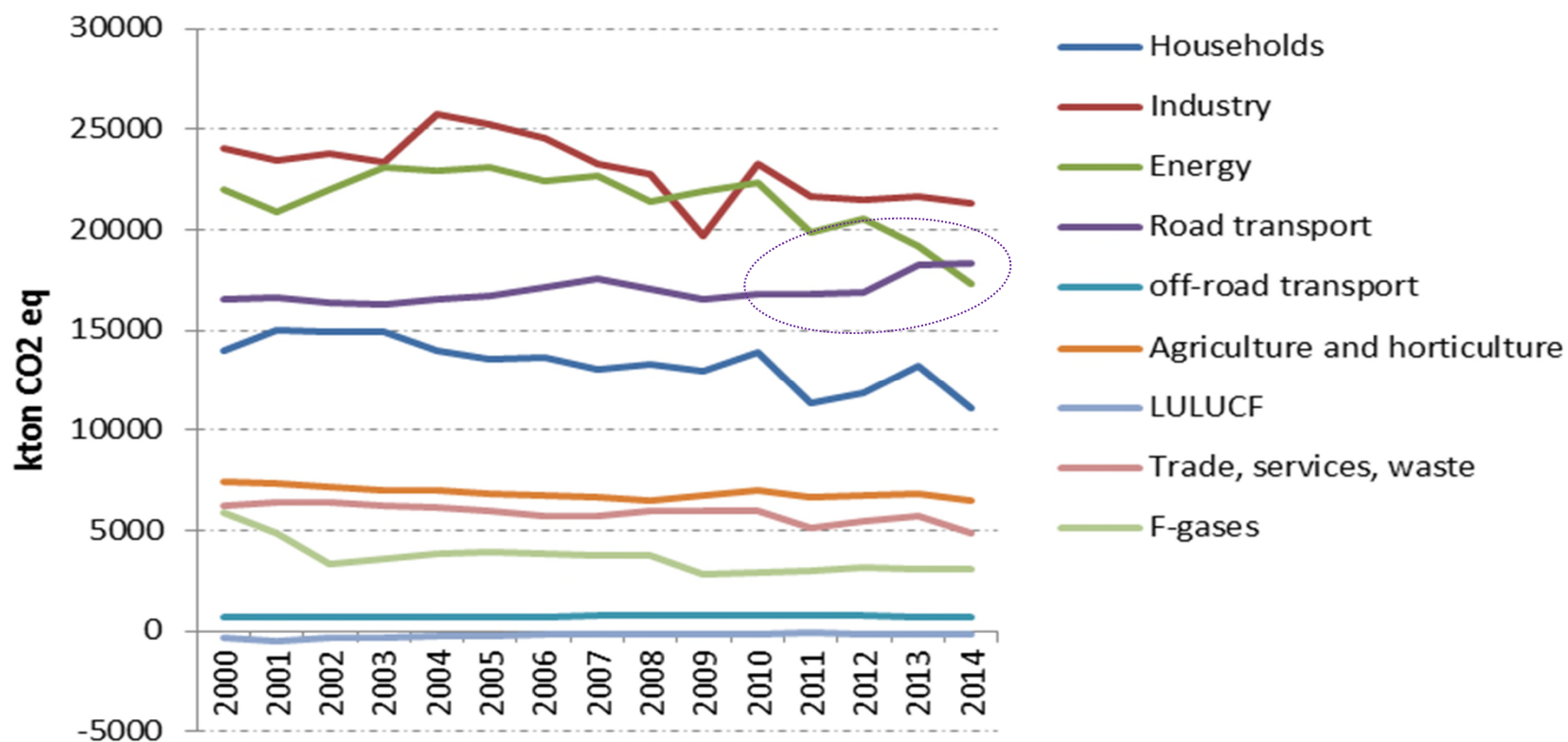
* Note: final ESD GHG emissions review to be concluded in 2016

Source: European Commission, EEA, Eurostat

Flemish Region - RES 2020 target



Evolution of total GHG per sector (Flanders)



Source: Vlaamse Milieumaatschappij (Lozingen in de lucht 2000-2014, VMM, 2015)



2016 : Commission to propose implementation of EU INDCs

- **EU ESD : targets for MS including LULUCF**
- **Transport decarbonisation**
- **Energy efficiency**
- **Electricity market design**
- **Renewables (including biomass, biofuels)**
- **Integrated climate and energy governance**



Thank you!

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