

# Introduction to the EU's climate policies

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# The road to the Paris Agreement: 2009 – the picture that says it all



# The road to the Paris Agreement: 2011 – the picture that says it all

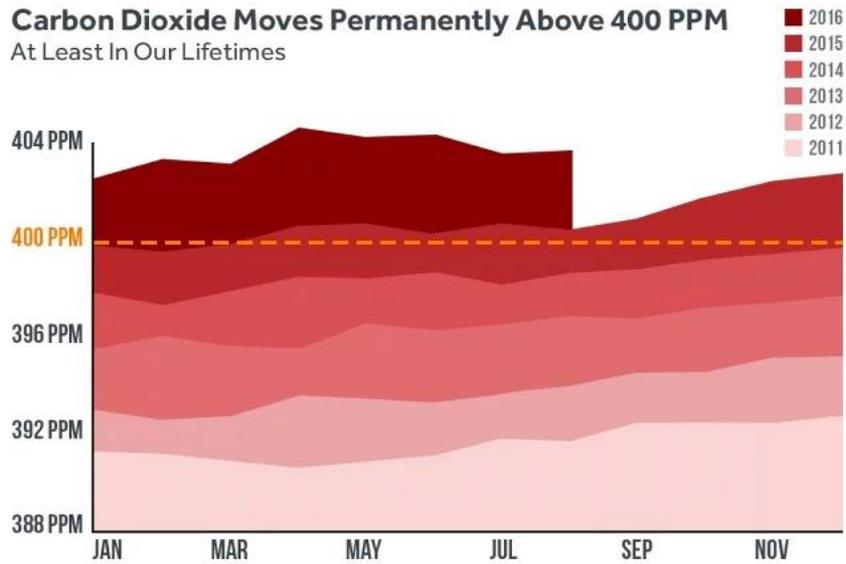


# The road to the Paris Agreement: 2015 – the picture that says it all



# Carbon Dioxide Moves Permanently Above 400 PPM

At Least In Our Lifetimes

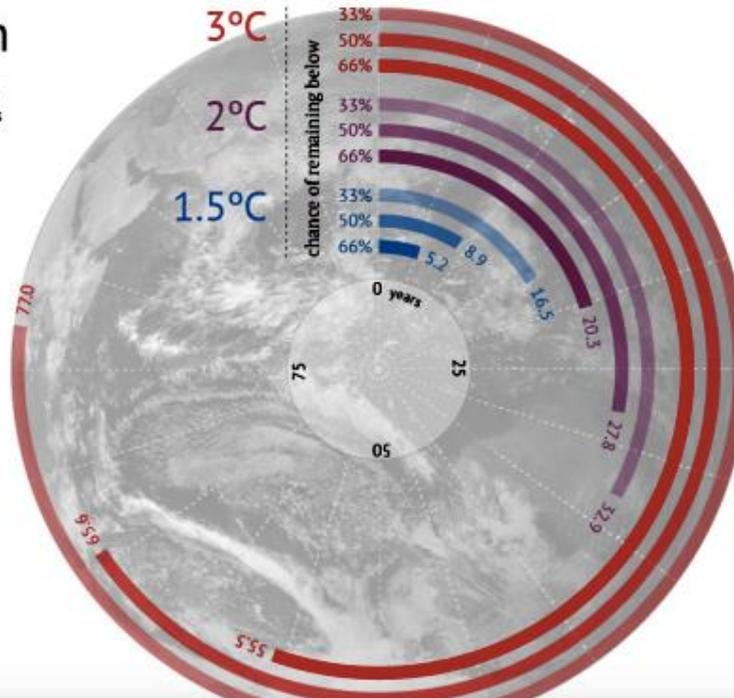


Source: Scripps Institute of Oceanography, Mauna Loa Observatory

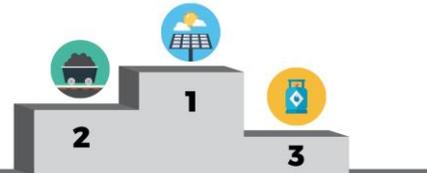
CLIMATE CENTRAL

## Carbon Countdown

How many years of current emissions would use up the IPCC's carbon budgets for different levels of warming?



In 2015, renewables **surpassed coal** to become the largest source of global electricity capacity



And this impressive growth will continue over the **next 5 years...**



Renewables are expected to cover **more than 60%** of global power capacity growth over the next 5 years and exceed

**7600**  
terrawatt hours in 2021

=



+



equivalent to combined generation today in the USA and the EU

2/3 of this growth will be in **4 key markets**



China  
37%



USA  
13%

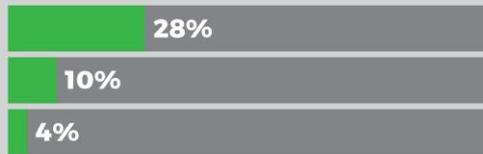


EU  
12%

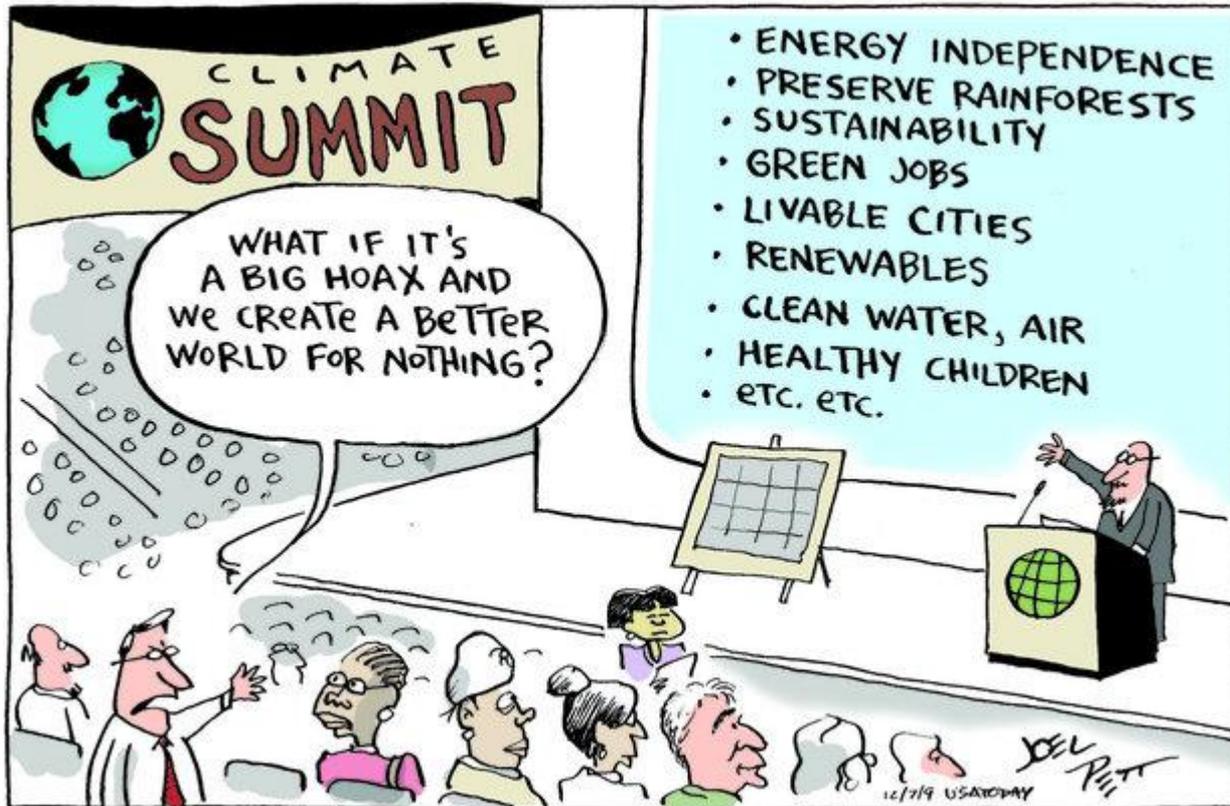


India  
9%

Yet while the **share of renewables** in electricity rises to **28% by 2021**, renewable heat and transport lag behind...



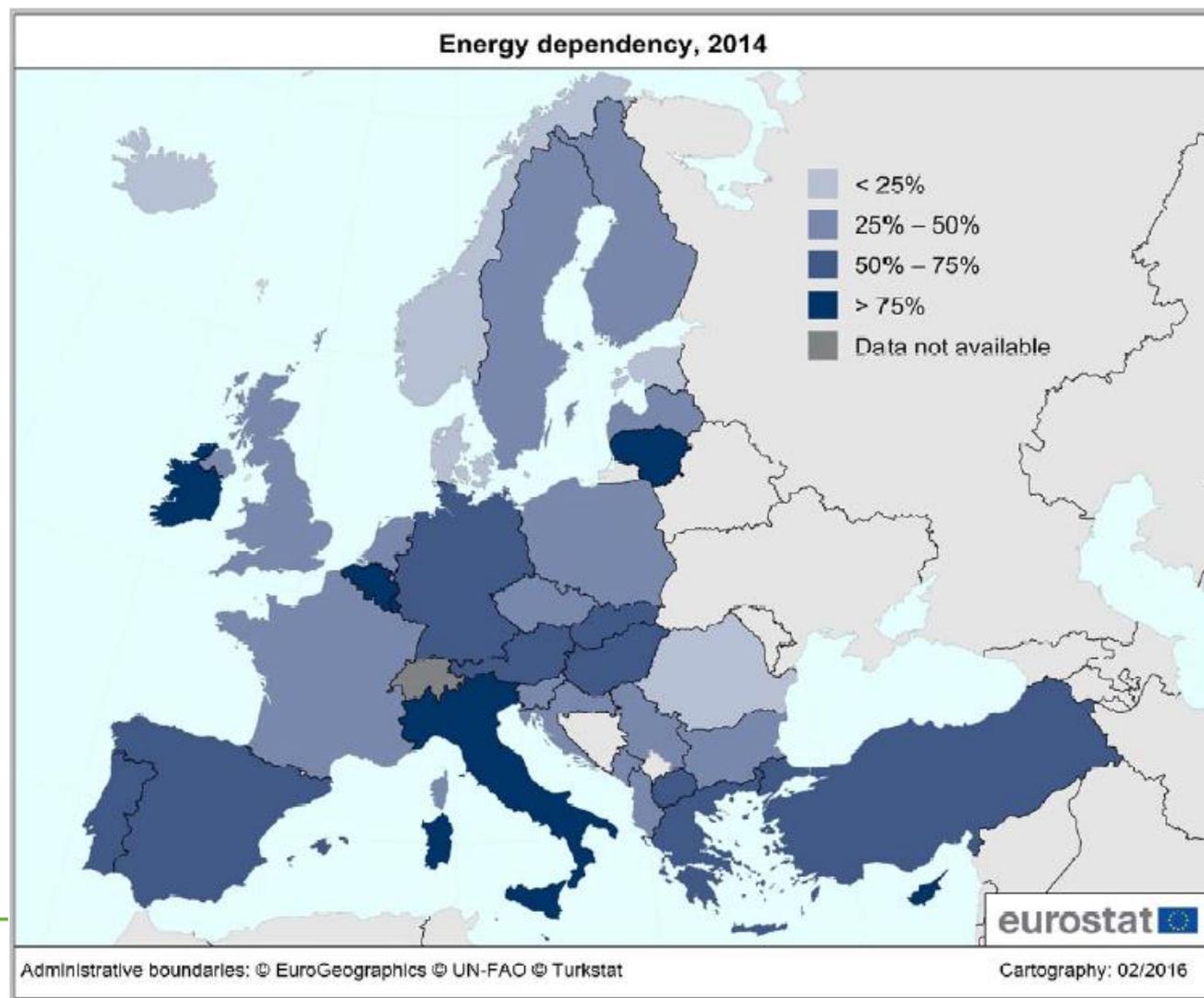
# The opportunities of the EU's climate friendly transition



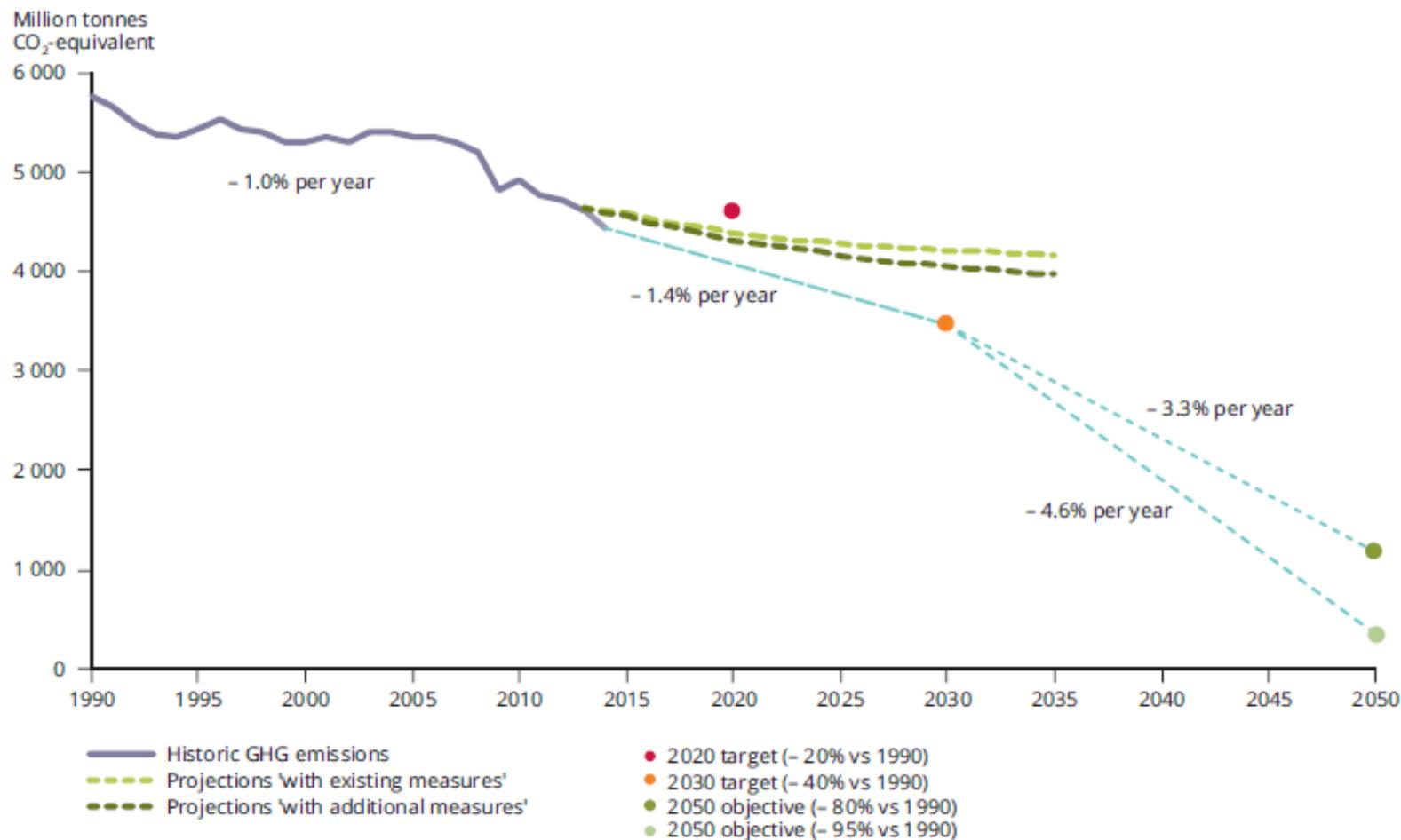
# The EU's energy dependence

The EU:

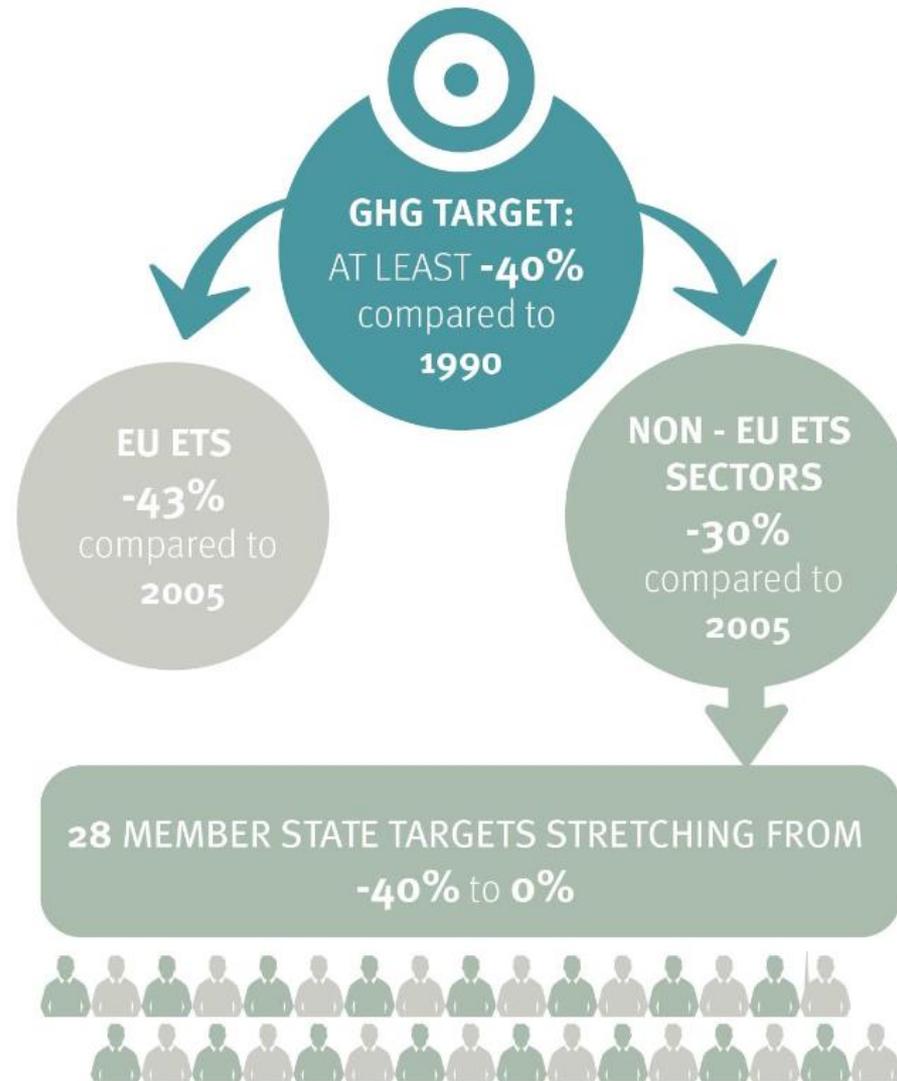
- imports 53% of all the energy it consumes;
- at a cost of more than €1 billion per day.



# Europe's delayed climate path



# Implementing the Paris Agreement in the EU



# How solidarity is integrated in Europe's climate policies

## EU ETS:

Transfer of auctioning volumes from more to less wealthy states, e.g.:

- 10% of the total carbon allowances will be allocated to the less wealthy EU countries.

## Effort Sharing:

Targets distributed on the basis of a country's wealth (GDP/capita), e.g.:

- Bulgaria has a 2030 target of 0%;
- Luxembourg + Sweden have a 2030 target of -40%.

# How does EU decision making work?



# How does EU decision making work?

	<b>Commission</b>	<b>Parliament</b>	<b>Council</b>
<b>Initiative</b>	X	Indirect	Indirect
<b>Decision making</b>	X	X	X
<b>Implementation</b>	Supervision	---	X

# Thank you!



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