



# Climate Change and the Paris Agreement

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# Paris Agreement: First ever universal legally binding agreement on climate change

## ★ Mitigation (reducing emissions)

- ▶ Well below 2 degrees Celsius + Efforts to limit increase to 1.5C
- ▶ Global emissions to peak as soon as possible, net zero emissions in the second half of the century

## ★ Adaptation

- ▶ Enhancing adaptive capacity, strengthening resilience and reducing vulnerability to climate change

## ★ Emissions reduction

- ▶ **Binding commitment** to make “nationally determined contributions” (NDCs) & pursue domestic measures aimed at achieving them

## ★ Transparency, accountability & compliance

- ▶ Track progress towards the long-term goal through a robust transparency and accountability system

## ★ Solidarity

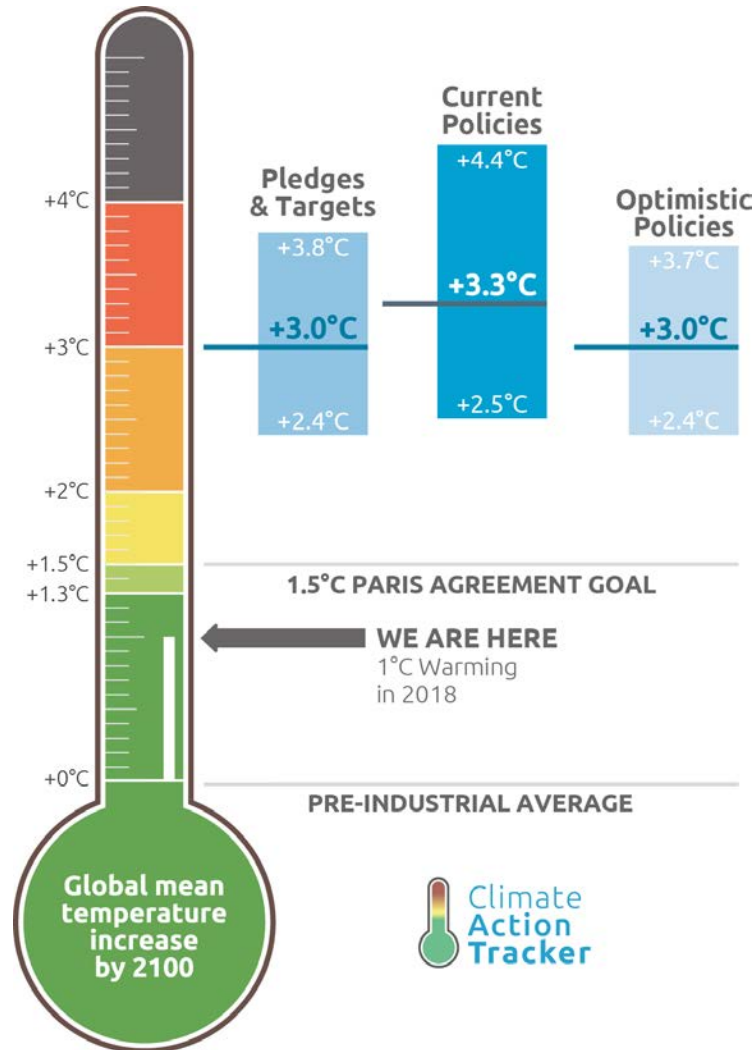
- ▶ Finance, technology, capacity building
- ▶ \$100bn/year goal for developed Parties extended to 2025



## IPCC Special Report on 1,5°C– Key findings:

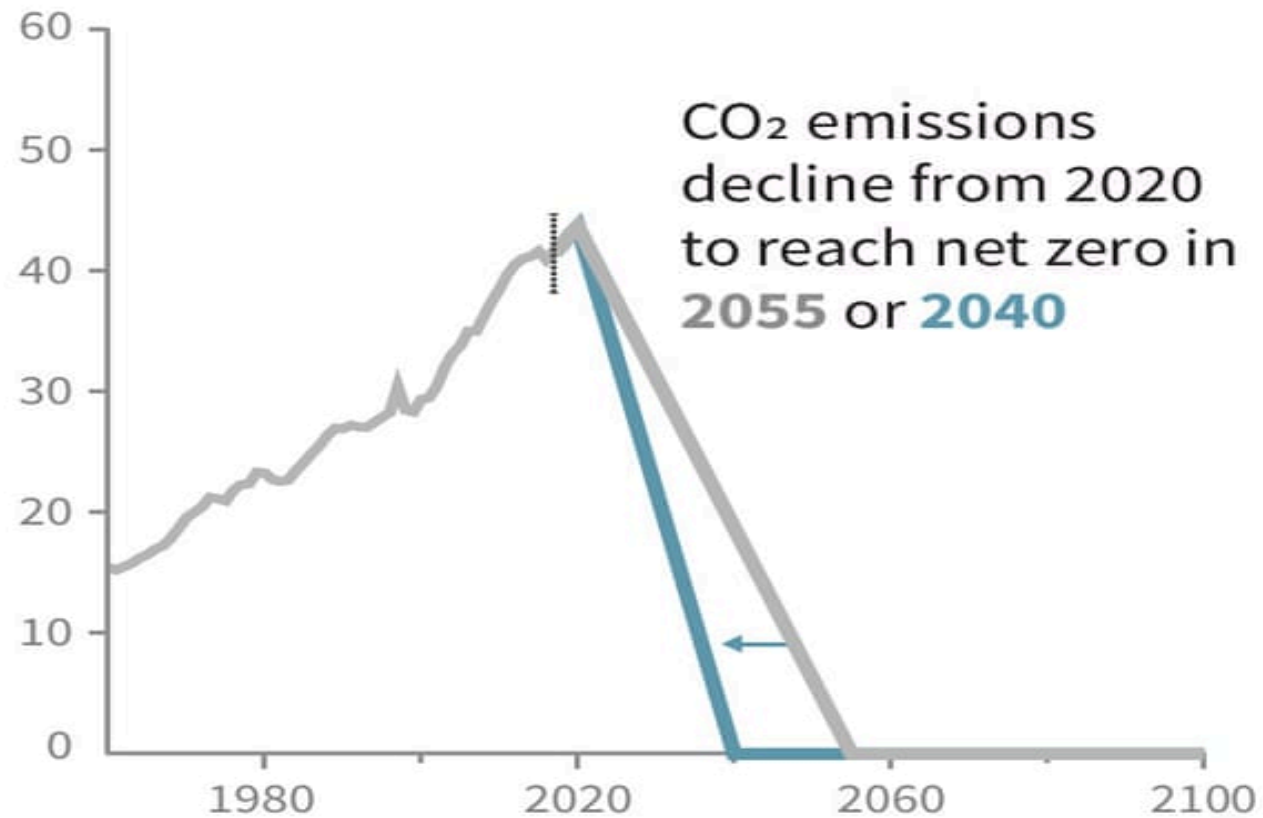
- By 2100, global sea level rise would be 10cm lower with global warming of 1.5C compared with 2C
- Extreme heatwaves will be experienced by 14% of the world's population at least once every five years at 1.5C. But that figure rises to more than a third of the planet if temperatures rise to 2C
- Arctic sea ice would remain during most summers if warming is kept to 1.5C. But at 2C, ice free summers are 10 times more likely, leading to greater habitat losses for polar bears, whales, seals and sea birds
- If warming is kept to 1.5C, coral reefs will still decline by 70-90% but if temperatures rise to 2C virtually all of the world's reefs would be lost
- Limiting global warming to below 2°C or 1.5°C is still possible but requires greater global ambition than existing Paris Agreement pledges.

# Current level of action is inconsistent with 1.5 °C



- ★ Global warming already reached at 1°C
- ★ 18 of the warmest years in the last 2 decades and extreme heat waves in EU for 4 of the last 5 years
- ★ Real impact on EU economy & environment
- ★ IPCC warns about global eco-systems in danger already at 2°C
- ★ Climate change undermines security and prosperity in the broadest sense

## b) Stylized net global CO<sub>2</sub> emission pathways Billion tonnes CO<sub>2</sub> per year (GtCO<sub>2</sub>/yr)



## The next steps

2019

- COP25 in Madrid in December

2020

- Communication of long-term strategies
- Communication/updating of nationally-determined contributions (NDC's)
- COP26 in Glasgow in November
- The European Green Deal

# A European Green Deal

*“I will propose a European Green Deal in my first 100 days in office.”*

*“I want Europe to strive for more by being the first climate-neutral continent.”*



# Deliverables

- *Climate Neutrality by 2050*
- *55% emission reduction in 2030*
- *Climate Law in 100 days*
- *Climate Pact in 100 days*
- *Carbon Border Tax*
- *Just Transition*
- *ETS for construction & aviation*
- *EIB => Climate Bank*







European  
Commission



**93%**  
of Europeans

see **climate change** as a serious problem.



**93%**  
of Europeans

have taken at least one **action**  
to tackle climate change.



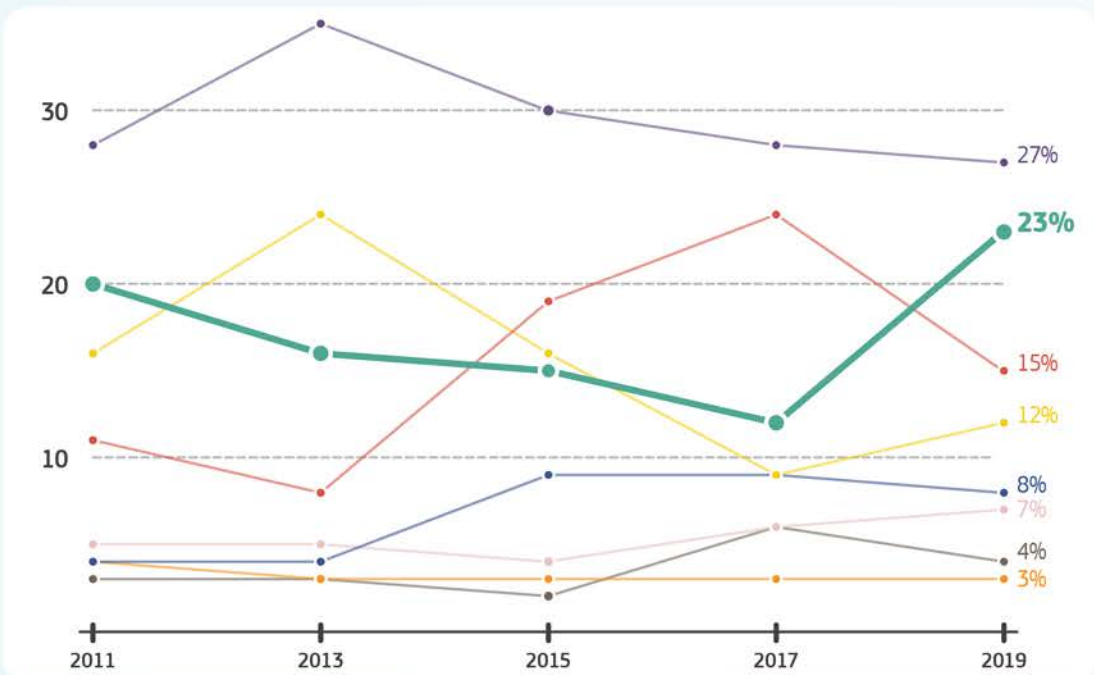
**92%**  
of Europeans

agree that greenhouse gas emissions should  
be reduced to a minimum in order to make the  
**EU economy climate neutral by 2050.**



## Special Eurobarometer Survey on Climate Change 2019

Which of the following do you consider to be the single most serious problem facing the world as a whole? (% - EU28)



- Poverty, hunger and lack of drinking water
- Climate change
- International terrorism
- The economic situation
- Armed conflicts
- The increasing global population
- Proliferation of nuclear weapons
- Spread of infectious diseases

**Note:** Data are in percentage of EU-total respondents. Only the eight most frequently chosen answers are represented in the graph.

**Read more:** [ec.europa.eu/clima/citizens/support\\_en](https://ec.europa.eu/clima/citizens/support_en)



**Thank you!**



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