THE POLICY BEHIND CLIMATE CHANGE IN IRELAND



Ollscoil Chathair Bhaile Átha Cliath Dublin City University **Irish Landscape Institute Grow your Mind webinar** 11 March 2021

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Overview

- Climate change: the essentials
- Ireland's climate action context
- Recent developments and future pathways

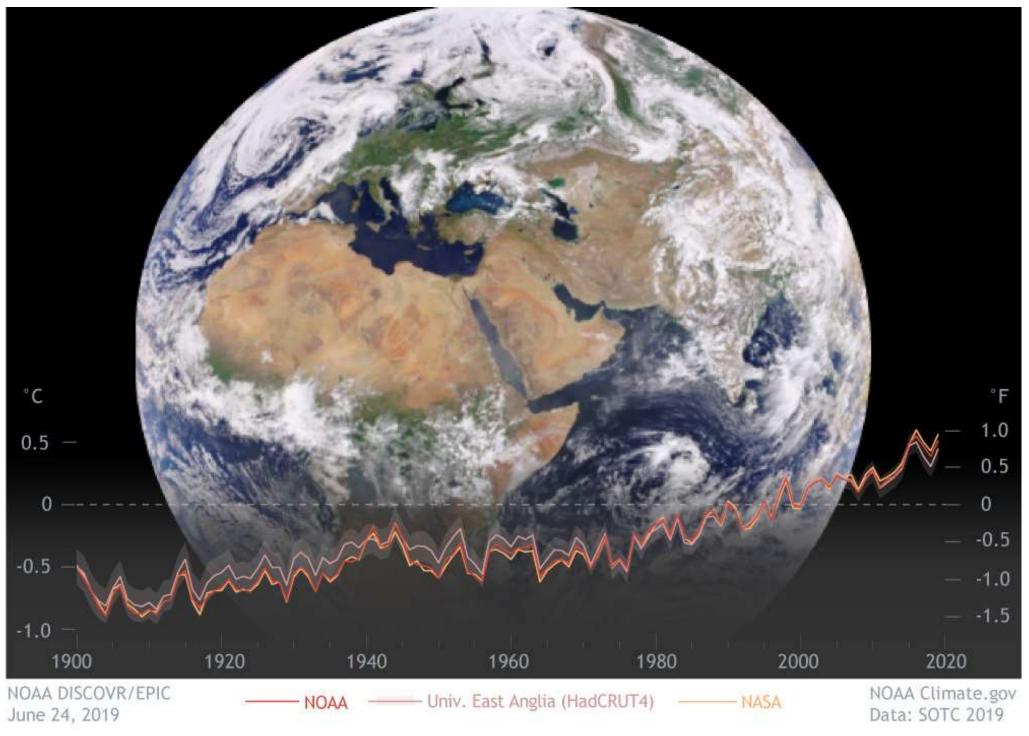


Climate change: The Essentials



CO₂ levels are higher than at any time in the past 400,000 years





Source: <u>Climate.gov</u>

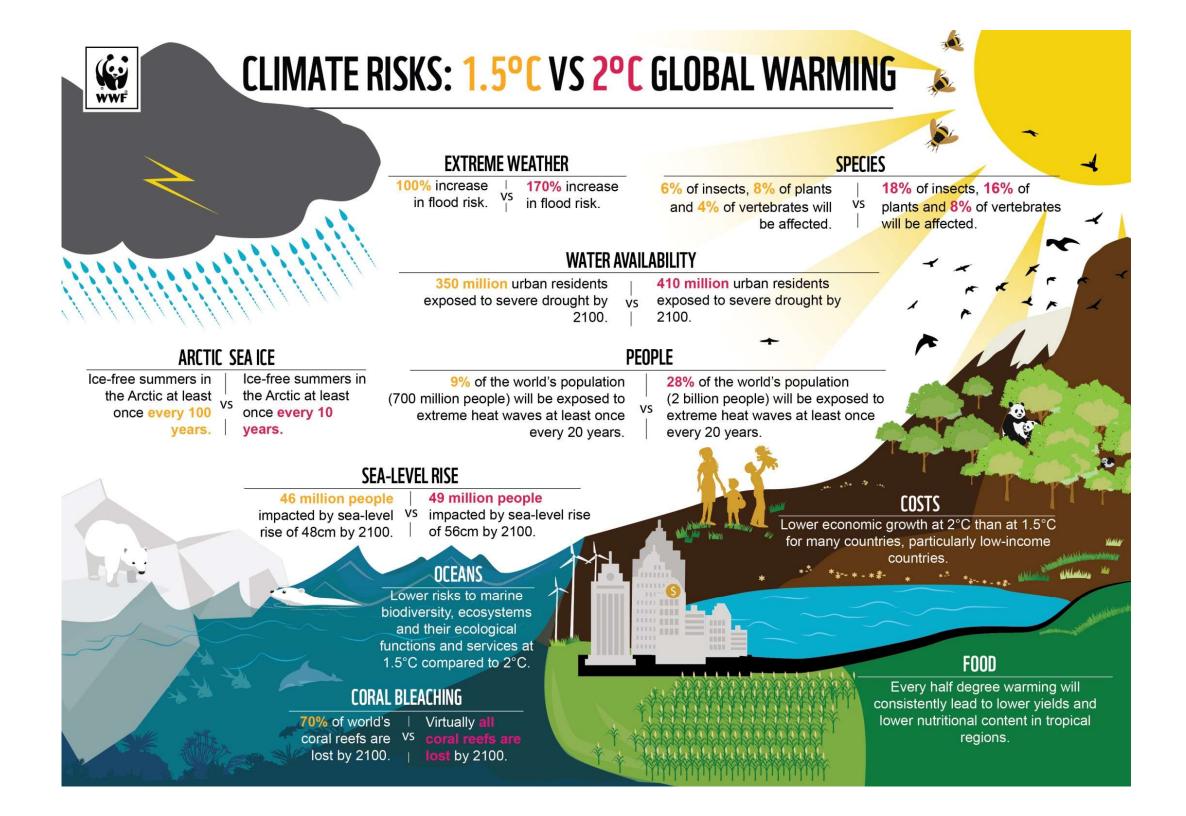


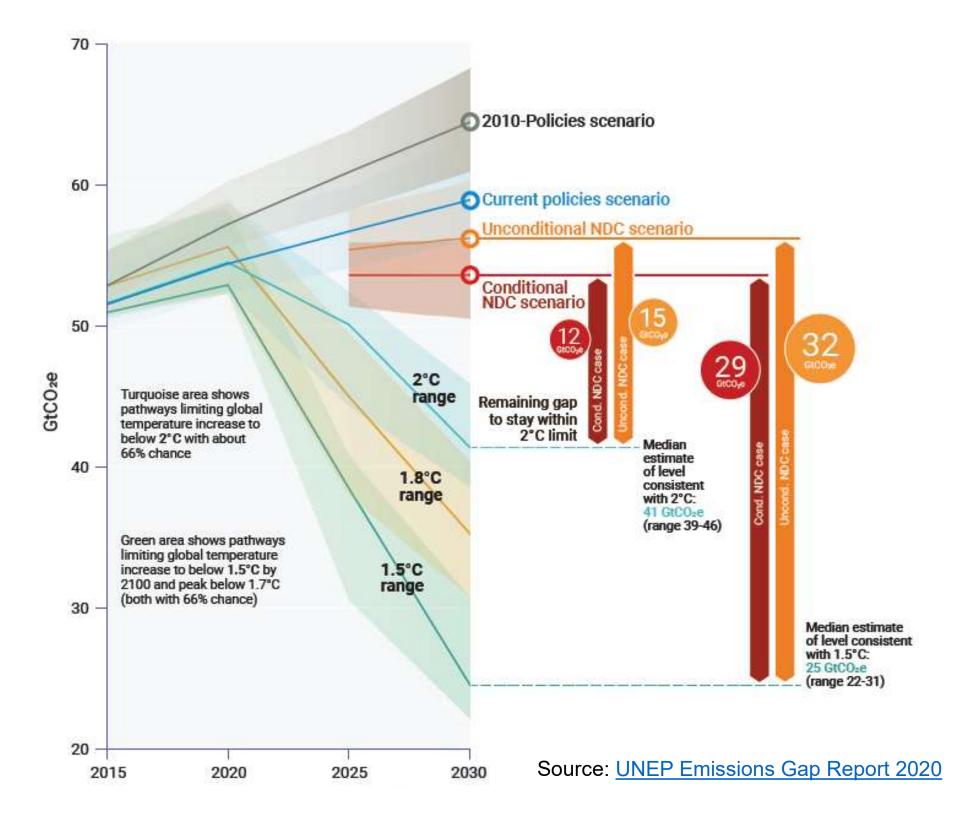
Global Warming of 1.5°C

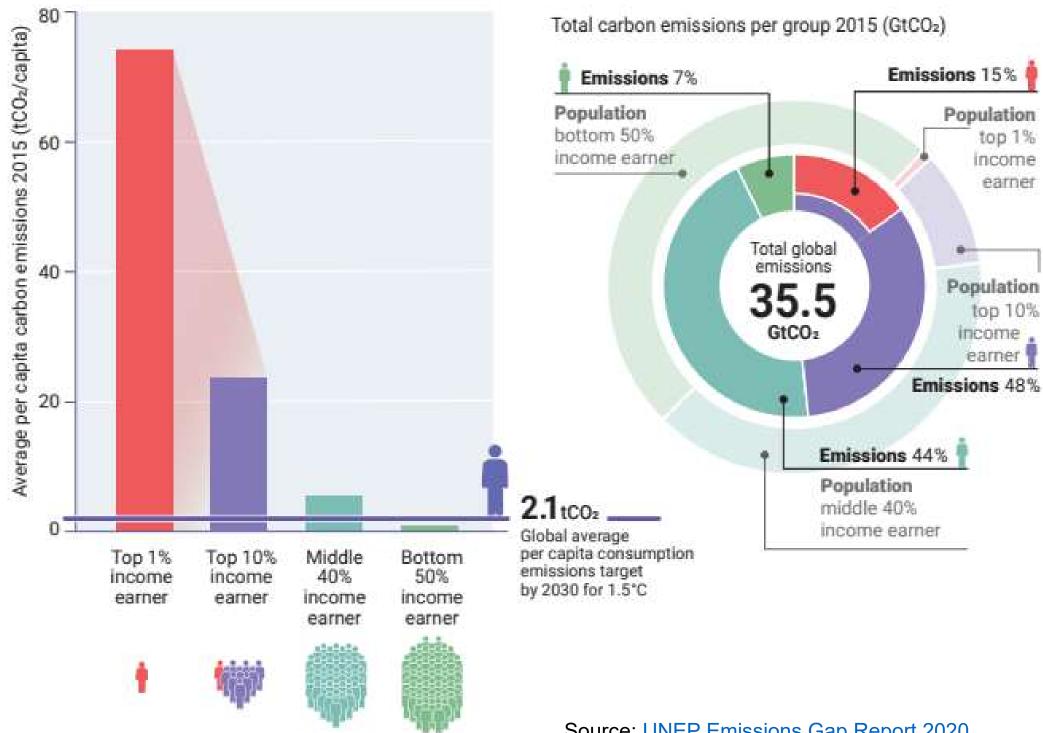
An IPCC special report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty.



Available at: <u>https://www.ipcc.ch/sr15/</u>







Source: UNEP Emissions Gap Report 2020

Ireland's climate action context



The global context



Paris Agreement aims to limit "the increase in the global average temperature to well below 2°C above pre-industrial levels and pursuing efforts to limit the temperature increase to 1.5°C above pre-industrial levels"

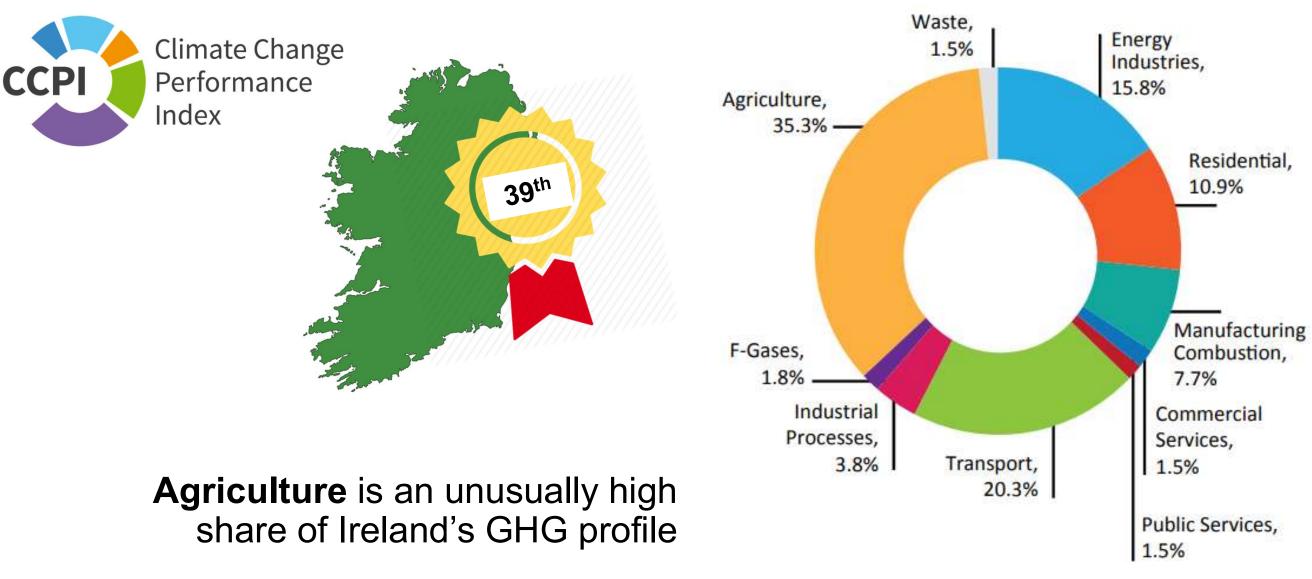
The European context



Headline EU targets:

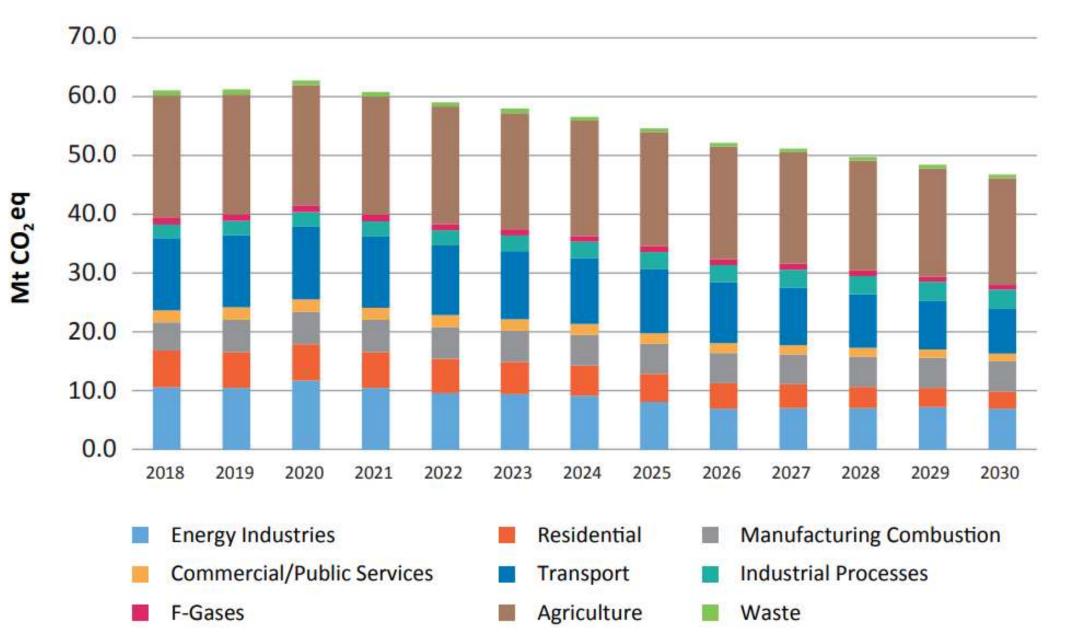
- Net zero GHG emissions by 2050
- 55% reduction relative to 1990 levels by 2030

Ireland's climate change profile



Source: <u>EPA 2020;</u> data for 2019 (provisional)

Where are we headed?



Source: EPA 2020

Recent developments and future pathways



From laggard to leader?



A decade of action...

- Target of 51% reduction in GHG emissions by 2030 relative to 2018
 → average 7% per year
- Stronger climate legislation
- "Carbon budgets" that will create targets for each sector of the economy



Challenges to overcome

- Scale of transformation not sufficiently understood
- Competing policy agendas
- Just transition and community engagement
- Where does biodiversity fit in?



