

Climate Change

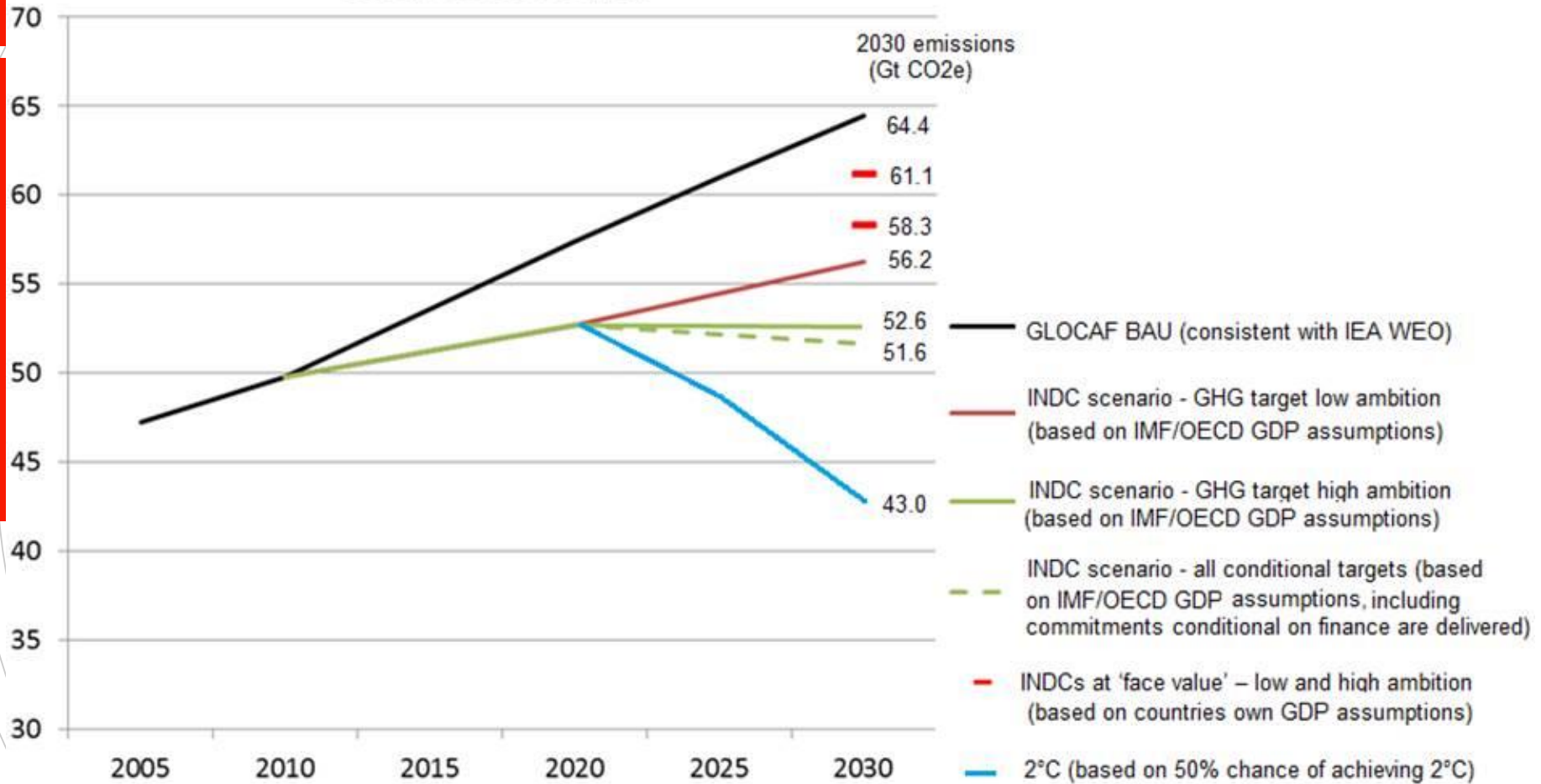
How can we get Global Action on Climate Change?

Where are we now? And What can we get in Glasgow In November?



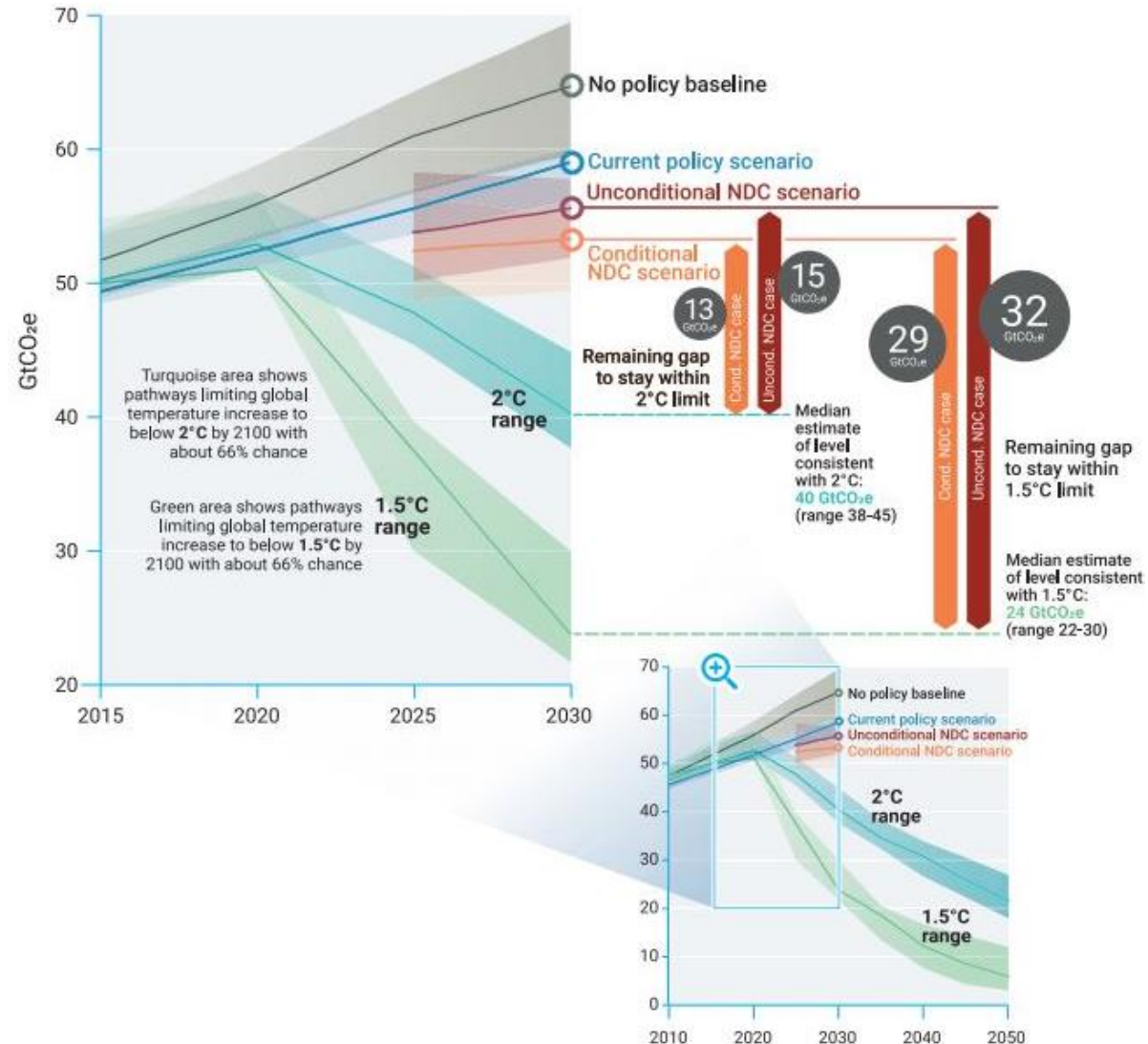
Where are we now?

Global emissions (Gt)



Where are we now? A deeper look

Global greenhouse gas emissions under different scenarios and the emissions gap in 2030 (median estimate and 10th to 90th percentile range).



Country	GHG emissions (MtCO ₂ e) 2017	Level of global total (%) 2017	MtCO ₂ e 2018 ^[2]
World	45261.2516	100.00%	
China (see: Greenhouse gas emissions by China)	12454.7110	27.51%	12700
United States (see: Greenhouse gas emissions by the United States)	6673.4497	14.75%	6570
European Union	4224.5217	9.33%	
India (see: Greenhouse gas emissions by India)	2379.1668	6.43%	2870
Russia (see: Greenhouse gas emissions by Russia)	2199.1173	4.86%	2670
Japan (see: Greenhouse gas emissions by Japan)	1353.3473	2.99%	1310
Brazil	1017.8745	2.25%	1050
Germany	894.0570	1.98%	910
Indonesia	744.3403	1.64%	
Canada (see: Greenhouse gas emissions by Canada)	738.3825	1.63%	
Mexico	733.0104	1.62%	718
Iran	716.8149	1.58%	876
South Korea	673.5412	1.49%	732
Australia (see: Greenhouse gas emissions by Australia)	580.0997	1.28%	
Saudi Arabia	546.8181	1.21%	
United Kingdom (see: Greenhouse gas emissions by the United Kingdom)	546.2641	1.20%	



Glasgow COP26

What can we get?

2030 targets? Long term goals? Real Economy?

Glasgow: Can we get Higher 2030 Targets?

- **China**
 - Current commitment: peak by 2030; reduce C intensity of economy by 60-65%; more RE
 - Possible offer: earlier peaking? Belt and Road?
- **US**
 - Current commitment: reduce GHGs by 26-28% by 2025
 - Possible offer: nothing? Action by cities etc?
- **India**
 - Current commitment: 40-45% reduction in C intensity by 2030; more Renewables
 - Possible offer: More renewables?
- **EU**
 - Current commitment: reduce GHG emissions by 40% by 2030
 - Possible offer: reduce GHG emissions by 50/55% by 2030?
- Maximum feasible additional global aggregate : 5GT?
7GT??
- Likely aggregate actually likely to be committed? Much less?

Glasgow: Can we get
longer term
commitments to net
zero?

What do we need?

- For 2 degrees
 - CO2 emissions should reach net zero around 2070
 - All GHGs should be neutral by around 2080/90
- For 1.5 degrees
 - CO2 emissions should reach net zero around 2050
 - All GHGs should be neutral by around 2070
- Equity would suggest: for 1.5 degrees GHG neutrality should be reached
 - By Developed countries by 2050
 - By emerging economies around 2060
 - For poorer countries in the second half of the century

What will we get next year?

- The EU will likely commit next year to net zero by 2050. So will some major companies and cities. But will other major economies commit to an unqualified net zero, and by an appropriate date?
- Will a “net zero COP” respond to the sense of emergency?

Glasgow: Can we
get major “real
economy”
announcements?

- **Finance**
 - Mandatory disclosure of climate risks?
 - Disinvestment?
 - Amend global regulatory framework for banks?
- **Agricultural Supply Chains**
 - Deforestation free agricultural products?
- **Coal, and other fossil fuels**
 - Stop financing coal? NB China
 - Oil and gas?
- **Electric Vehicles**
- **Resilience**
- **Cities**

Comms? What should be the strategy?

- How do we deal with the likelihood of a less than perfect outcome?
 - Bank what we can get; focus on the real economy and come back for more in 2023 (or even 2021 if we get a new US President?)
 - Or bring the house of cards crashing down?
- Some history...
 - 2009 Copenhagen – went for broke; got a “50%” outcome. Result: seen as a disaster, and put climate cause backwards
 - 2015 Paris – managed expectations; got a “50%” outcome and everyone called it a triumph
 - Neither approach likely to work or be followed in Glasgow...