Climate Action Tracker

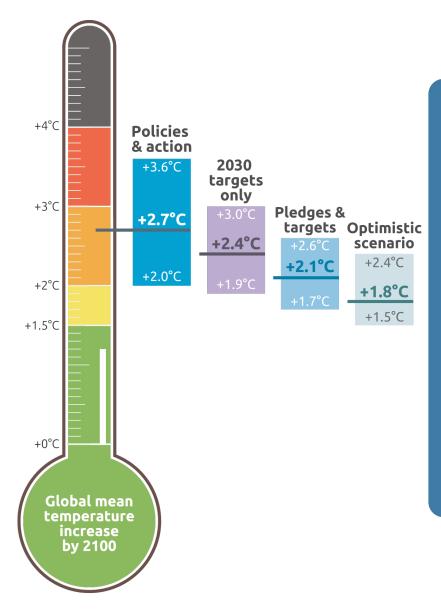
What makes a good net zero target and how do countries stack up?

Bill Hare¹, Hanna Fekete², Frederic Hans², Aman Majid¹

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Agenda



State of Climate Action

State of Net Zero Targets

What makes a good net zero target?

Expectations ahead of COP27

Q & A

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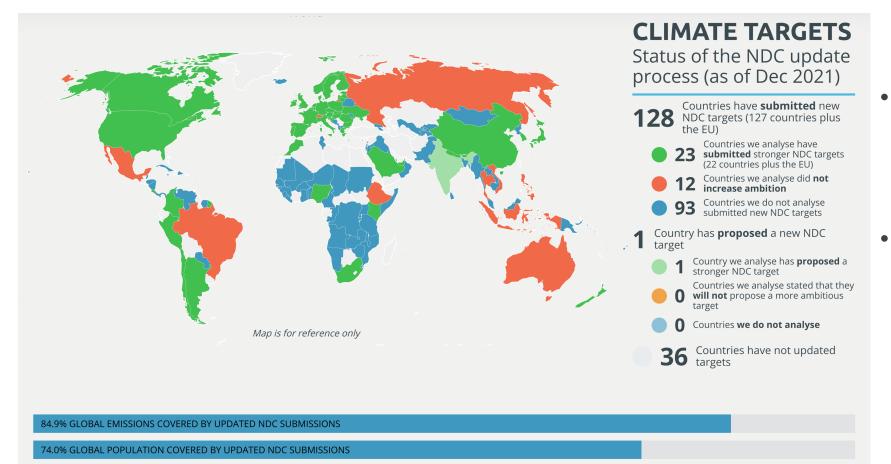
STATE OF CLIMATE ACTION POST-GLASGOW

Bill Hare (Climate Analytics)







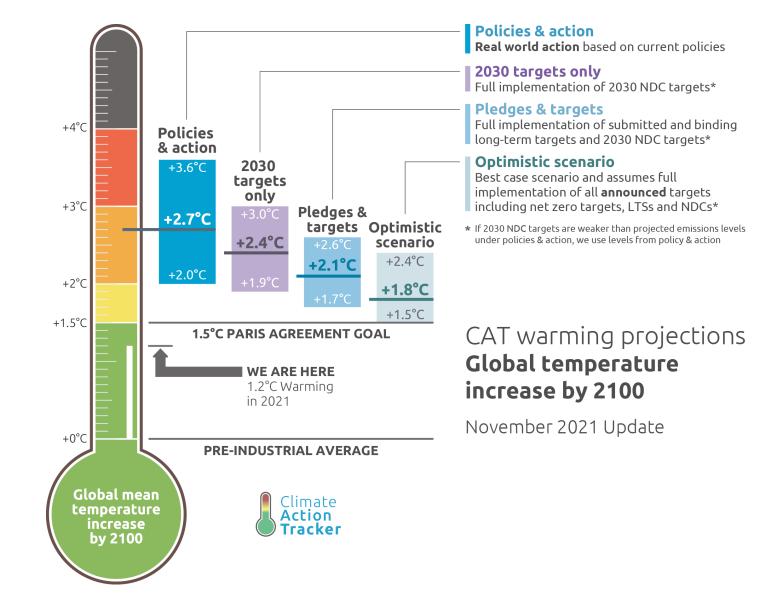


- Updated NDCs represent vast majority of global emissions & population
- All governments need to reconsider their targets in 2022

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Lack of near-term ambitions is leading us to 2.4°C of warming

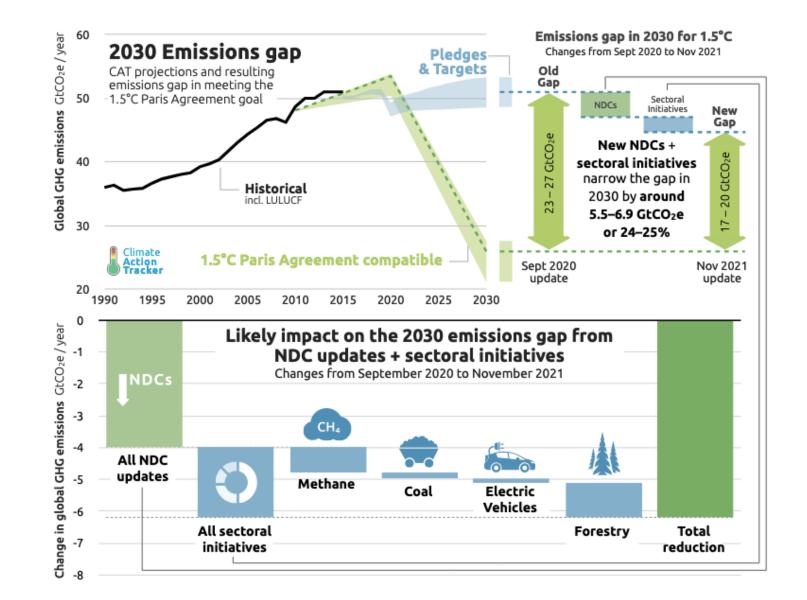




- **2030 targets** alone lead to end of century warming of 2.4°C
- Under **current policies**, end of century warming will be 2.7°C
- Our most optimistic scenario (1.8°C) also includes all announced net zero. This looks like progress, but
 1.5°C would still be pushed well out of reach.
- **Policy** implementation is too slow. We urgently need faster emissions cuts to 2030

We have begun to narrow the gap, but only just





- To keep 1.5°C alive, we need to halve emissions from current levels by 2030
- Updated NDCs as of November 2021 only reduced 2030 emissions gap by 15-17%

There has been barely any progress since COP26





12% GLOBAL EMISSIONS COVERED BY NEW NDC SUBMISSIONS

24.1% GLOBAL POPULATION COVERED BY NEW NDC SUBMISSIONS

CLIMATE TARGETS

- Country pledges at COP26 would have limited warming to 2.4°C
- Countries agreed to "revisit and strengthen" their NDCs, but little progress has been made so far



Overall rating INSUFFICIENT		
Policies & action INSUFFICIENT < 3°C WORLD Domestic target ALMOST SUFFICIENT < 2°C World	Fair Share target INSUFFICIENT < 3°C WORLD	Climate finance CRITICALLY INSUFFICIENT
year comprehensiveness rated as Net zero target 2050 AVERAGE	Land use & forestry	NOT SIGNIFICANT

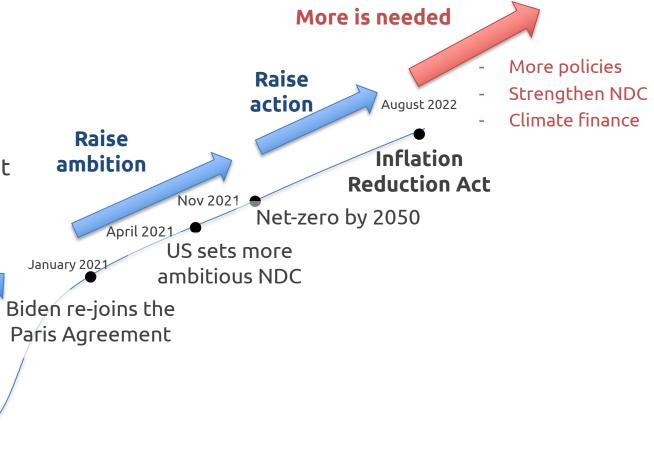
Political will

2017-2021 Trump's rollbacks undermine

climate action



- US climate action has gone through ups and down
- The IRA is the most ambitious climate policy in US history
- It significantly closes the gap to achieve US NDC
- Could have a spillover effect on net zero targets in other countries
- More is needed. An emissions gap of up to 1300 MtCO₂e exists to 2030, equivalent to 25% of current emissions (Rhodium Group, 2022)



2017

Trump withdrawals from the PA

2015

US adheres to the

Paris Agreement



STATE OF NET ZERO TARGETS

Aman Majid (Climate Analytics)







Countries have net zero targets enshrined in law

(incl. EU27, Japan, UK and New Zealand)

53

Countries with a net zero target pledged or in a policy document

(incl. USA, Saudi Arabia, Brazil and India)

67

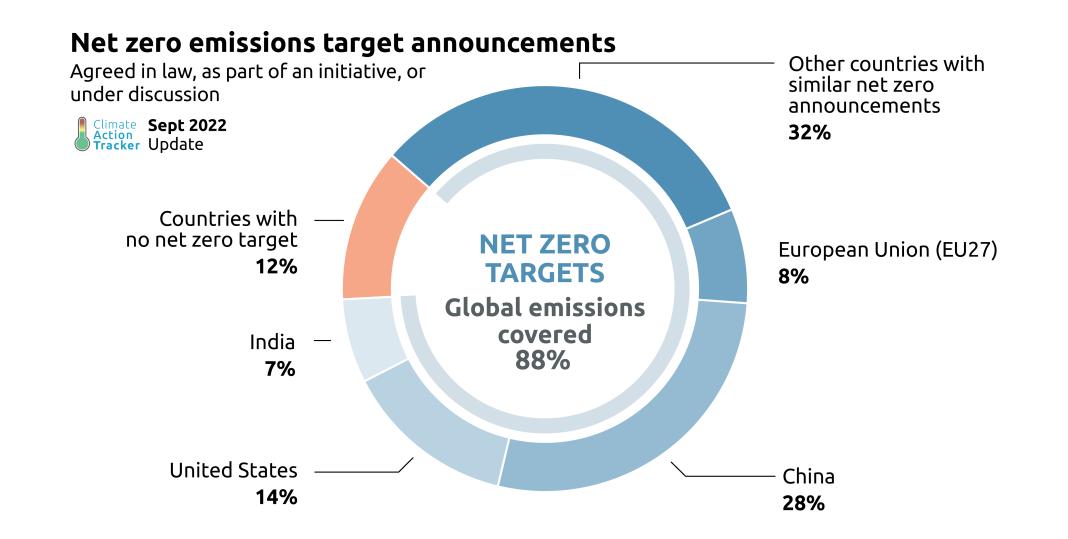
Countries have net zero targets "under discussion"

(incl. Ethiopia, Bangladesh and Pakistan) 57

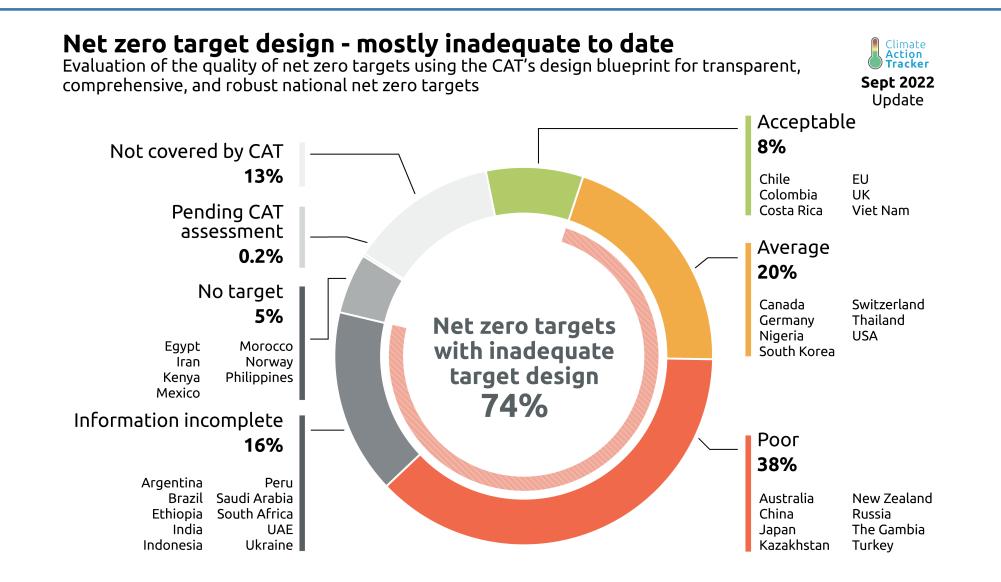
Countries do not have a net zero target

(incl. Egypt, Iran and Mexico)











CAT Countries have net zero targets rated as ACCEPTABLE The number of net zero targets is growing, but they are poorly defined.

We are far away from getting targets implemented.



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2.7°C

Assuming all current policies and actions are implemented fully.

Current policies and actions fall short of 2030 targets and netzero targets.

We need an increase real world action, especially in the short-term.



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1.8-2.1°C

Is the best-case scenario: assuming all NDCs, policies and net zero goals are fully implemented Taken together, all policies and targets still fall short of what is needed for the Paris Agreement.

We need an increase in ambition



WHAT MAKES A GOOD NET ZERO TARGET?

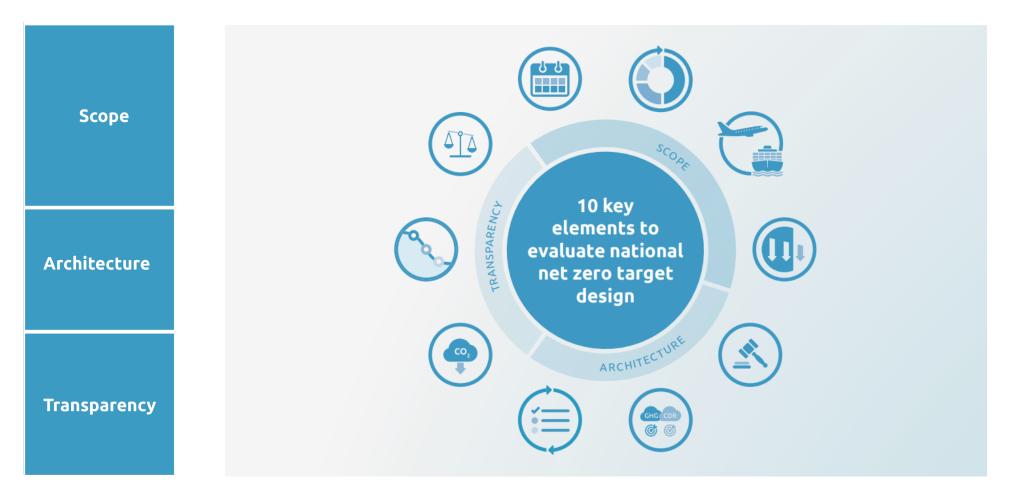
Frederic Hans (NewClimate Institute)







CAT evaluates net zero target design in terms of scope, architecture and transparency







- CAT identifies ten key elements
- CAT evaluation system does **not (!)** assess sufficiency or Paris compatibility
- We further explore three of these elements

Scope | Emissions coverage







15 of 41 CAT countries are evaluated acceptable (for example, USA, Chile, UK, EU27 or Turkey)



8 of 41 CAT countries are evaluated poor (for example, New Zealand, China, UAE or Saudi Arabia)



6 of 41 CAT countries **could not be evaluated** (for example, Brazil or India)

Good practice includes ...

- Targets cover all greenhouse gases (GHG) and all economic sectors
- Transparency on emissions coverage and targets

Poor practice includes ...

- Exclusion of key GHGs (e.g., methane)
- GHG coverage is vague or unclear
- Total GHG coverage is less than 95% of total GHG emissions

Architecture | Review process







9 of 41 CAT countries have a legally binding review process (for example, Canada, New Zealand, UK or the EU27)

9 of 41 CAT countries have a review process (for example, Australia, Chile, or Costa Rica)



2 of 41 CAT countries do not have a review process (for example, Switzerland or Turkey)



10 of 41 CAT countries could not be evaluated (for example, Saudi Arabia, Brazil, or Argentina)

Good practice includes ...

- Review process is legally binding
- Includes tracking of progress and readjustment measures in regular intervals

Bad practice includes ...

- No review cycle defined
- No progress assessment against target
- No process to update targets in line with technological breakthroughs or latest science







8 of 41 CAT countries have a detailed pathway to net zero (for example, EU27, Costa Rica or Colombia)



12 of 41 CAT countries have a pathway, but lacking detail (for example, Germany, New Zealand or China)



4 of 41 CAT countries do not have a detailed plan (for example, Australia or Saudi Arabia)



7 of 41 CAT countries **could not be rated** (for example, Brazil or India)

Good practice includes ...

- Pathway analysis and identification of key measures for reaching net zero
- Actionable short- and medium-term measures
- Sector-specific targets and policies

Bad practice includes ...

- No analysis on the anticipated pathway to reach net zero
- No consideration of short and mediumterm action, delaying actions into the future





6 of 42 CAT countries are evaluated **acceptable** (including UK, EU27, Chile, Costa Rica, Colombia, and Viet Nam)

An acceptable net zero target ...

- Considers all GHG emissions
- Makes underlying assumptions transparent (especially on CDR and offsets)
- Prioritises reductions within borders
- Enshrines net zero to legal processes
- Allows for periodical update to targets in line with science and technological development



8 of 42 CAT countries are evaluated poor (including Australia, China, Japan, Kazakhstan, and New Zealand)

A **poor** net zero target ...

- Remains vague or unclear on key elements
- Lacks robust plans to achieve the net zero target and review processes
- Relies excessively on CDR and offsets, often without transparent assumptions





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This story is very similar at the **corporate level**, where net zero targets are often poorly designed and rely largely on offsets!

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EXPECTATIONS AHEAD OF COP27

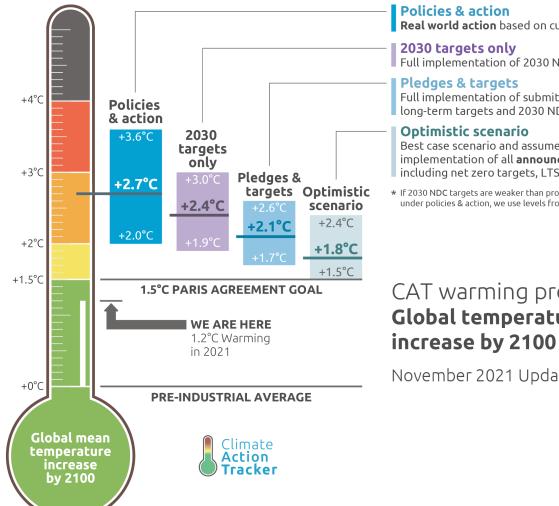
Hanna Fekete (NewClimate Institute)





Expectations ahead of COP27





Real world action based on current policies

Full implementation of 2030 NDC targets*

Full implementation of submitted and binding long-term targets and 2030 NDC targets*

Best case scenario and assumes full implementation of all **announced** targets including net zero targets, LTSs and NDCs*

* If 2030 NDC targets are weaker than projected emissions levels under policies & action, we use levels from policy & action

CAT warming projections **Global temperature**

November 2021 Update

2.7°C

Current policies are way off track and do not match 2030 targets let alone longer-term net-zero goals

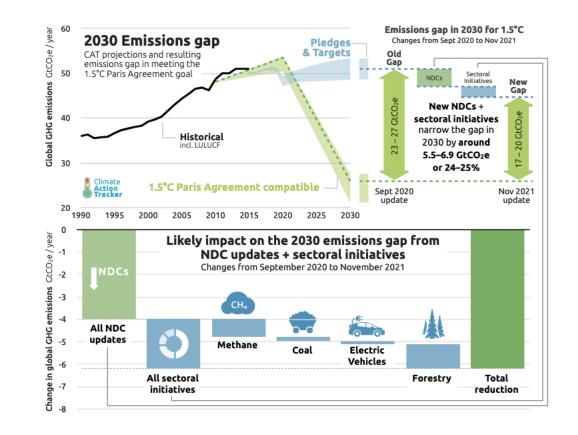
2030

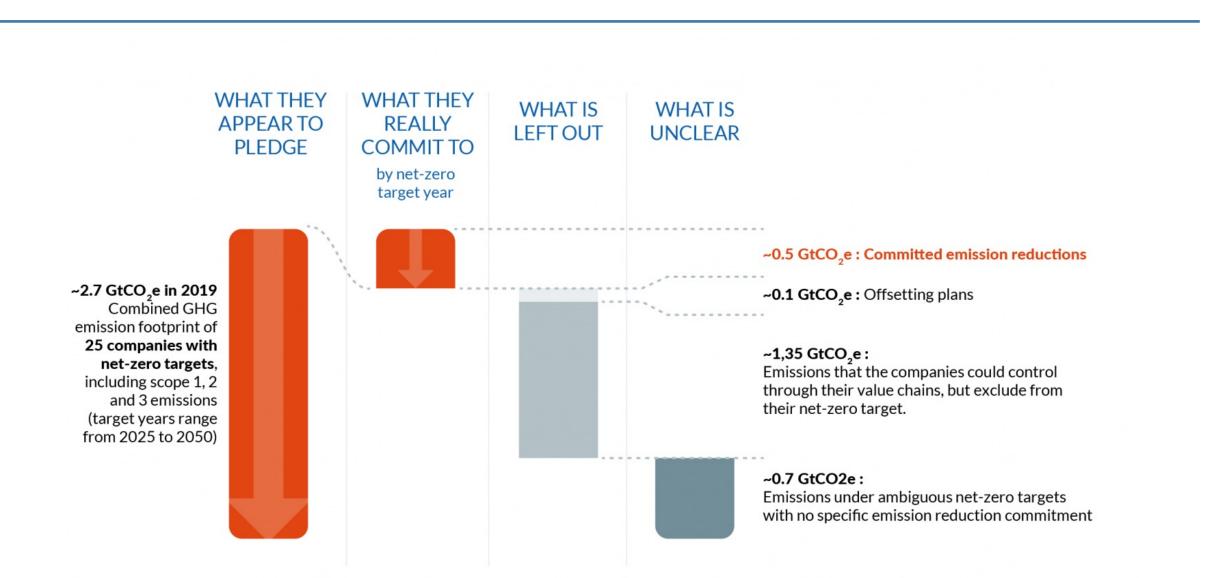
We are in a critical decade. Countries need to scale-up near term targets and actions to align us with 1.5°C compatibility.

Governments need to step up action and ambition



- Closing 2030 emission gap in both action and ambition is essential to the credibility of net zero targets
- Countries that signed up to the Glasgow sectoral initiatives need to
 - consider them in their national target setting
 - report on progress
 - be held to account
- Corporate net-zero targets cannot replace government action





Climate

Action



Forbes 2000 companies have set net zero targets as of May 2022 Recent wave of corporate net-zero target setting

40%

Average emissions reductions across the whole value chain* Major shortcomings of existing net-zero targets in terms of actual commitments to reduce *own* emissions across the entire value chain

2/3

of corporations* rely on nature-based offsetting Heavy reliance on offsets from carbon dioxide removals from forestry and other biological-related carbon sequestration (nature-based solutions) to meet their net-zero targets