

[CLIMATE CRISIS] FACTS

Slides to copy/paste

A large, light blue stylized bracket graphic on the left side of the slide, spanning the vertical range of the two text blocks.

This document is a compilation of data about the climate crisis which can be used for pitches.

We have split it up into themes so that people may easier be able to find the facts that help their cause.

CONTENTS

THE CLIMATE CRISIS

Current projections

Actions to address the situation

Government response

CLIMATE CRISIS

CURRENT PROJECTIONS

What is the current situation looking like according to the latest science?



2°C

NO LONGER A
SAFE GOAL

The Paris Agreement initially agreed to try to cap warming at 2 degrees.

Since then, an IPCC report has found that this is a dangerous goal...

[Summary of IPCC report](#)



2°C

WOULD TRIGGER
TIPPING POINTS

At 2 degrees, we would hit tipping points where the natural systems that keep the Earth's temperatures stabilised are destroyed. Examples of these systems include

- Polar Caps that reflect heat
- Permafrost that store methane
- The Amazon forest that store Co2

If any of these tipping points are hit, we will create a situation where the Earth can no-longer stabilise itself, creating a situation where the Earth begins to heat itself exponentially causing a chain reaction. This is called the hothouse earth effect.

If this happens, we lose the fight.

[Trajectories of the Earth System in the Anthropocene](#)

The hothouse earth effect would see
temperatures balloon to 3-5 degrees...
societies would begin to collapse in
such a scenario...

[Bendell, J 2018](#)

What happens at 3°C of warming?

MASS DISPLACEMENT

The seas will rise 2-3 meters by 2100 and will continue up to 25 meters, displacing billions of people globally.

WATER WARS

With water sources drying up, water supplies would fall below demand. India's national water supply is already forecasted to fall below 50% of demand as early as 2030

FOOD CRISIS

Current US agricultural practices will not be compatible with such conditions, causing national yields to fall between 20-48% depending on the region.

Nations would find themselves unable
to feed, house and protect their
citizens...

Bendell, J 2018



1.5°C

WOULD STOP US
HITTING TIPPING
POINTS

Limiting global warming to 1.5°C rather than 2°C is projected to keep us within a safe zone.

For example, it would **prevent the thawing of an area of permafrost the size of Mexico**, which would release unknown amounts of methane and stored carbon.

[World Resources](#)

CLIMATE CRISIS ACTIONS TO TAKE

What actions do we need to take to cap warming at 1.5 degrees?

Ok, got it, so what do we need to do
to keep temperatures below 1.5 °C ?

We need to achieve

Net Zero Carbon

by 2050, globally

IPCC2018

We need to get a

45% Co2 reduction

by 2030

IPCC 2018

Yes, it's that simple. To advert a crisis, we just need to stop emitting...

CLIMATE CRISIS

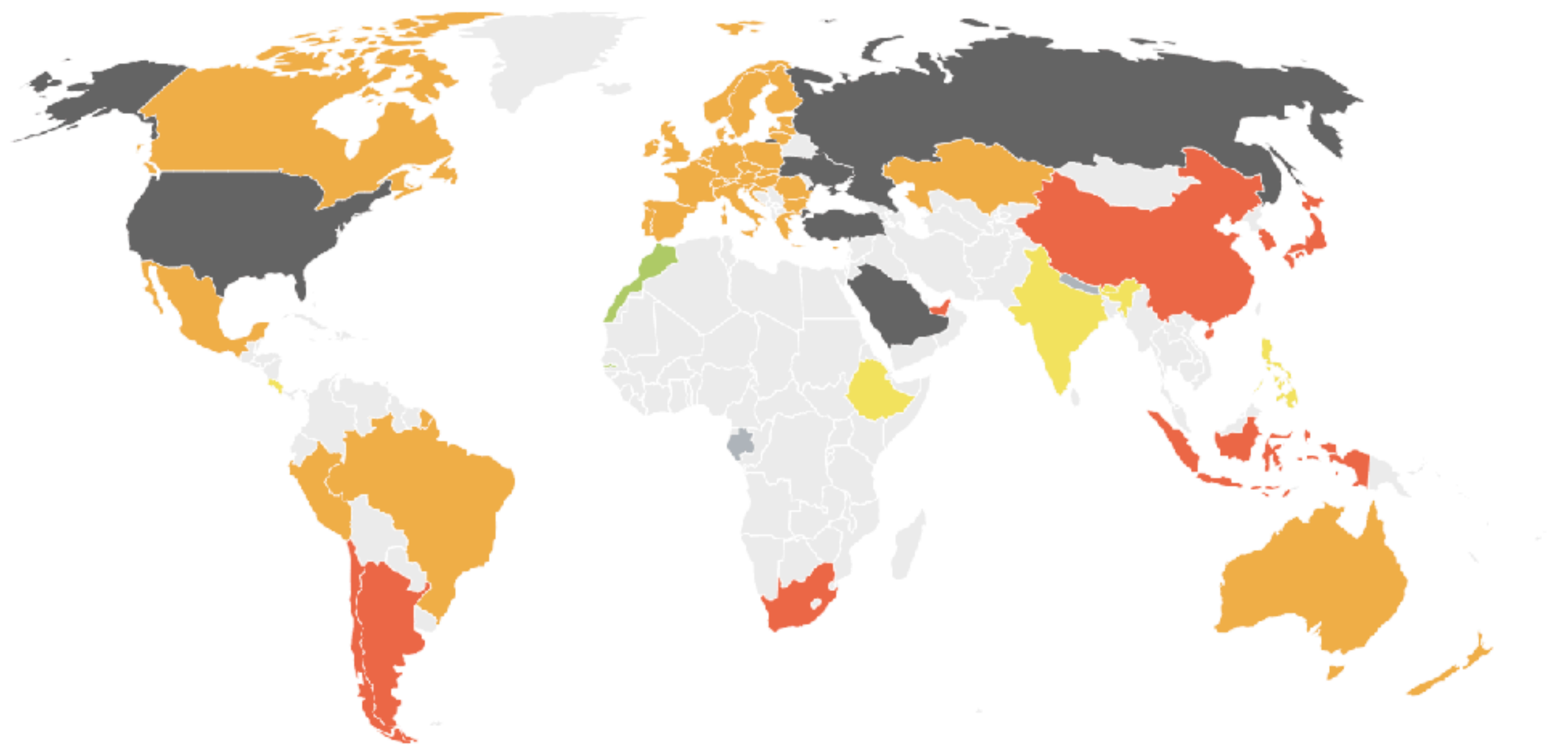
HOW ARE WE DOING?

So... how are we actually going?

Bad...

ONLY
2
COUNTRIES
ON TRACK

Climate Action Tracker



The maps displayed are for reference only.

LAST UPDATE: September 2019

CRITICALLY INSUFFICIENT	HIGHLY INSUFFICIENT	INSUFFICIENT	2°C COMPATIBLE	1.5°C PARIS AGREEMENT COMPATIBLE	ROLE MODEL
4°C+ WORLD	< 4°C WORLD	< 3°C WORLD	< 2°C WORLD	< 1.5°C WORLD	<< 1.5°C WORLD
RUSSIAN FEDERATION	ARGENTINA	AUSTRALIA	BHUTAN	MOROCCO	
SAUDI ARABIA	CHILE	BRAZIL	COSTA RICA	THE GAMBIA	
TURKEY	CHINA	CANADA	ETHIOPIA		
USA	INDONESIA	EU	INDIA		
UKRAINE	JAPAN	KAZAKHSTAN	PHILIPPINES		
	SINGAPORE	MEXICO			
	SOUTH AFRICA	NEW ZEALAND			
	SOUTH KOREA	NORWAY			
	UAE	PERU			
		SWITZERLAND			

ONLY
2
COUNTRIES
ON TRACK

Climate Action Tracker

Only 2 countries are on track. Why?

- Some governments don't accept the science
- Some governments, like Norway and Australia are lying: they legislate change, but continue to expand their fossil fuel industry which is incompatible with 0 net emissions
- Some governments are not willing to make changes

There are many reasons, but in most cases, they are lobbied or too scared to risk their political career to make the necessary changes.

Our governments are failing us. They are ignoring the science and putting our future at risk.

The background of the slide is a photograph of several industrial smokestacks or chimneys. They are silhouetted against a bright, hazy sky during sunset or sunrise, with a warm orange and yellow color palette. Thick plumes of smoke or steam are rising from the stacks, partially obscuring the sky. In the foreground, there are dark, silhouetted trees and hills.

Our current global emission trends will lead to a 5°C warming by 2100....

Reilly, J, MIT 2015

Scientists warn that 4 °C is incompatible with an organised global community

Roberts, D, Grist 2011

If continue as we do, we will not be successful in limiting our warming to 1.5 degrees. This is an existential risk to humankind.

[Roberts, D, Grist 2011](#)

[Bendell, J 2018](#)