

---

# An Introduction to Climate

---

# What is Climate Change?

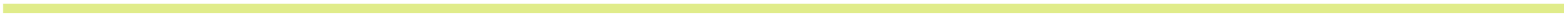


**WHAT IS  
CLIMATE CHANGE?**



---

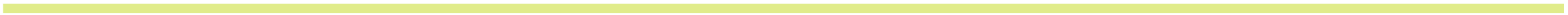
# Welcome to the Climate Alphabet Soup!



# Quiz question

---

What is the IPCC?



# What the future could look like for S.E. Asia....



**Extreme Heat**



**Rain**



**Typhoon**



**Storm Surge**




# Climate has already changed and is going to keep changing!

ALJAZEERA News ▾ Israel War on Gaza Features Opinion Sport Video

News | Climate

## Asia bears biggest climate-change brunt amid extreme weather: WMO

World Meteorological Organization says floods and storms were leading cause of casualties and economic losses as impact becomes more severe.



YP / Discover / News / Hong Kong

## Climate change brings Hong Kong to a boil as city reels under 'very hot weather' warning

Sizzling temperatures are expected to continue into the weekend; expert warns of intensifying heatwaves

Listen to this article

by SCMP | Published 7:05pm, 21 Jun 2024

## 'Surprise' urban Malaysia floods drive pleas for climate action

by Michael Taylor | @MickTaylor | Thomson Reuters Foundation  
Monday, 2 May 2022 00:00 GMT



March 20, 2024

## Global: Widening impact of climate change on air pollution in South Asia requires urgent international cooperation and assistance.

Responding to the new report naming three South Asian countries – Bangladesh, Pakistan and India – having the worst air quality globally at a time when the World Meteorological Organization has issued a 'red alert' for global warming indicators, Ann Harrison, Amnesty International's Climate Adviser, said:

"The climate 'red alert' in addition to prolonged exposure to toxic air quality in many parts of the South Asian region illustrates the risk of harms to life and health of more than a billion people from accelerating climate chaos. There has been little concerted action by both the affected countries as well as the high-income fossil fuel producers that are **planning to expand**, not reduce production, to tackle this problem which is largely driven by the burning of fossil fuels.

“  
The climate 'red alert' in addition to prolonged exposure to toxic air quality in many parts of the South Asian region illustrates the risk of harms to life and health of more than a billion people from accelerating climate chaos.

Ann Harrison, Amnesty International's Climate Adviser

## Indonesia's Tengerese pray for rain as climate change threatens crops

Jun 26, 2024 at 11:00 pm GMT



Climate > News

## Freak April heatwave in Southeast Asia 'virtually impossible' without climate crisis

Scientists say heatwaves are now 45 times more likely in South Asia, making life tougher for millions living in poverty

Stuti Mishra Asia Climate Correspondent • Tuesday 14 May 2024 22:40 BST • Comments

MAY 14, 2024 | 4 MIN READ

## April Heat Waves from Gaza to the Philippines Were Made Worse by Climate Change

From Gaza to India to the Philippines, climate change exacerbated often record-breaking extreme heat over the past month

## Climate change pushes Malaysia's coastal fishermen away from the sea

Going to sea in small boats has become increasingly risky as the weather becomes unpredictable.

# Quiz question

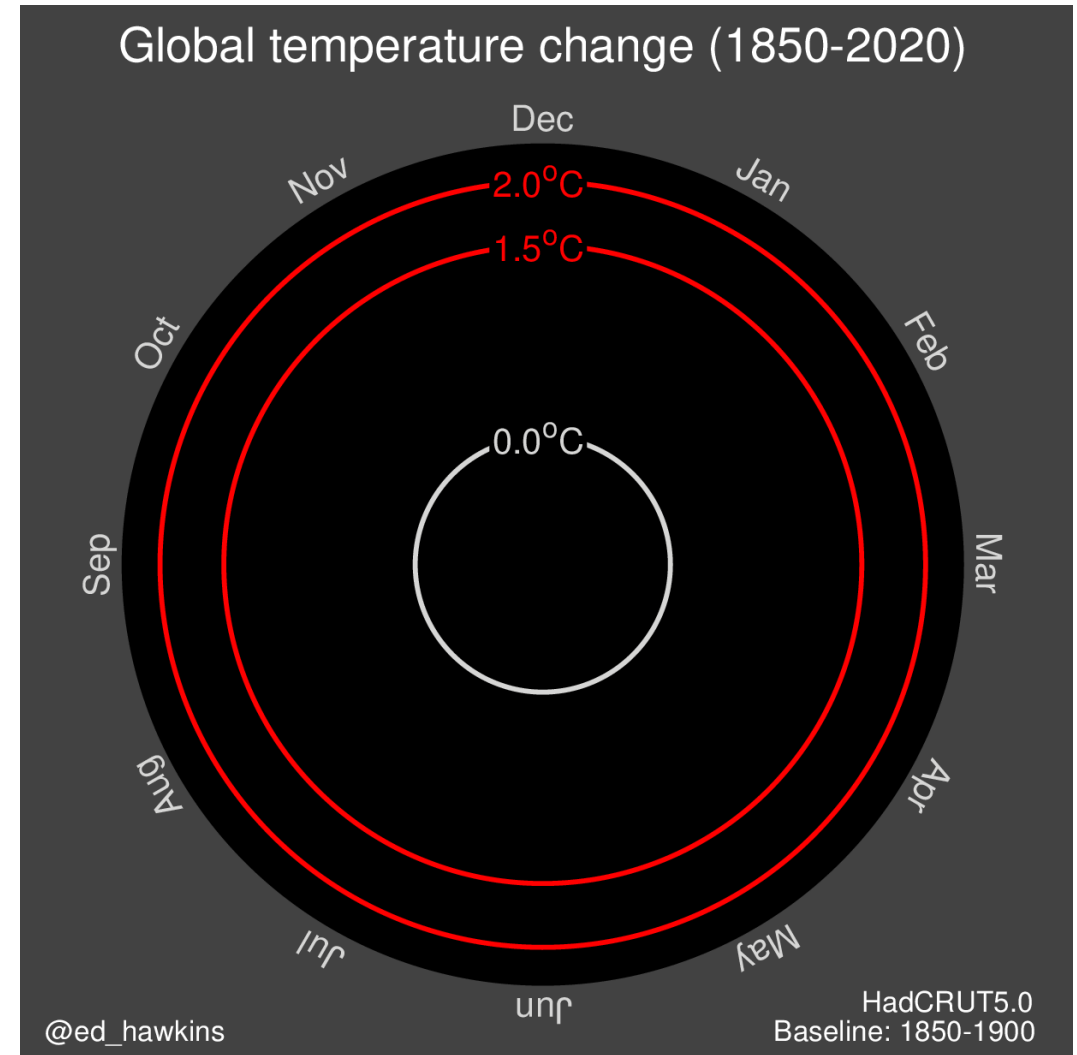
---

What does COP stand for?



# So what can be done?

*To prevent worsening and potentially irreversible effects of climate change, the world's average temperature should not exceed that of preindustrial times by more than 1.5 degrees Celsius.*



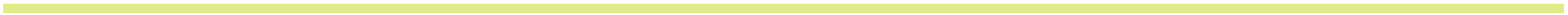
Global surface temperature changes (°C) relative to the preindustrial period



# Quiz question

---

What are NDCs?



## Howden countries in Asia have made commitments

Thailand



- **40% GHG reduction** from BAU by 2030
- **Carbon neutrality** by 2050, NZ by 2065

Malaysia



- **Cut carbon intensity** against GDP by 45% by 2030
- Malaysia developing **national adaptation plan**

Singapore



- **Net zero emissions** by 2050
- Have developed the '**Singapore Green Plan**'



- **Net zero emissions** by 2050

Hong Kong



- **Cut carbon intensity** by 65 to 70% by 2030.

Philippines



- **Reduce emissions** by 75% by 2030
- **Renewable energy** 35% of the mix by 2030 and 50% by 2040.

Indonesia



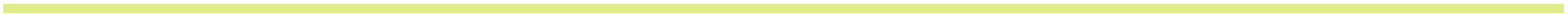
- **Reduce BAU emissions** by 29% by 2030.
- **Zero emissions targets** by 2060



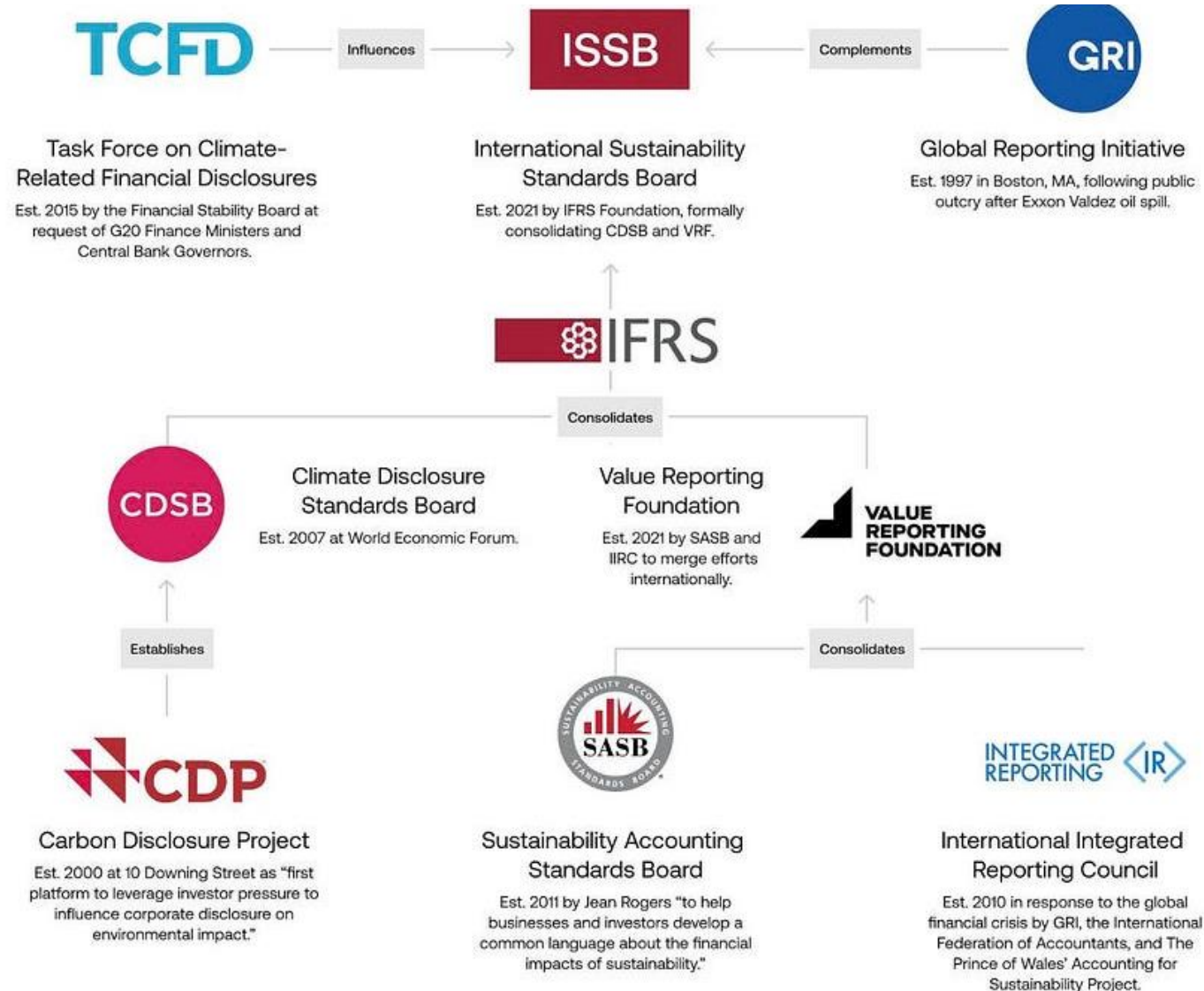
# Quiz question

---

What does TCFD stand for?



# Climate and sustainable-related disclosures in Asia



# What Do We Consider Under Climate Risks and Opportunities?



... also a new and emerging area of Nature, Food Systems and Biodiversity Risk and Opportunities

# Imagine what the world looks like without...?

---



ipcc



INTERGOVERNMENTAL PANEL ON  
climate change

Every **action** matters

Every **bit of warming** matters

Every **year** matters

Every **choice** matters

# Climate Glossary



Biodiversity

TCFD

COP



Carbon Credits

Nature Based Solutions

ESG

Scope 1, 2 & 3

Greenwashing

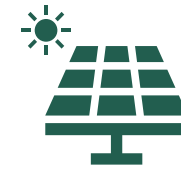
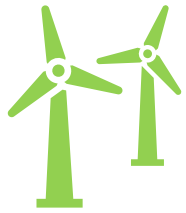
Tipping Points

Adaptation

Taxonomy

IPCC

NetZero



Liability Climate Risk