



# **GLOBAL CLIMATE ACTION FOR A BETTER WORLD**



# AGENDA



## CHAPTER ONE

THE URGENCY AND  
AWAKENING



## CHAPTER TWO

THE GLOBAL ACTION



## CHAPTER THREE

A BETTER WORLD

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# CLIMATE CHANGE : A COMPLEX ISSUE

## The Drowning World

**MELTING SNOW AND ICE : rising sea water**



### Submerging Land



**Rising sea water**  
**189 cities underwater**

### Starving World



**Declining food**  
**production yields**



**Dead 7 million annually**  
**by air pollution**



**World GDP -11% loss**

**Unhealthy Breathe**

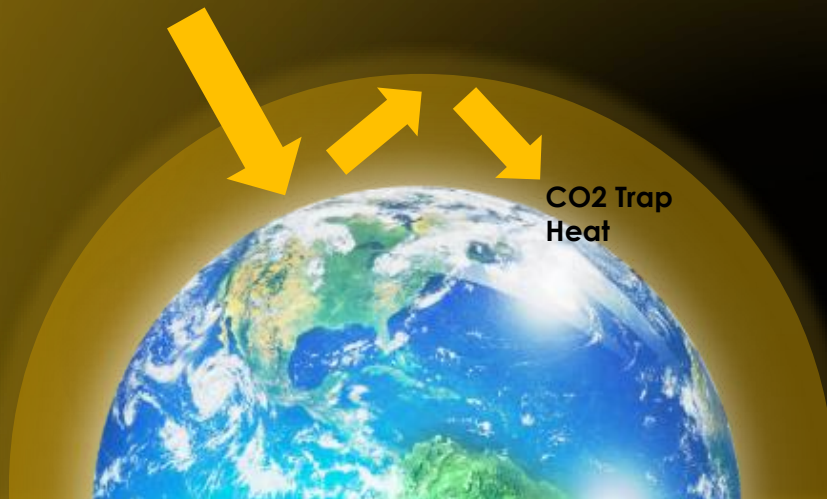
**Shrinking Economy**

# SIGNS OF CLIMATE CHANGE UNDERWAY

An Rise in Global Temperatures as a Prime Symptom of Climate Change

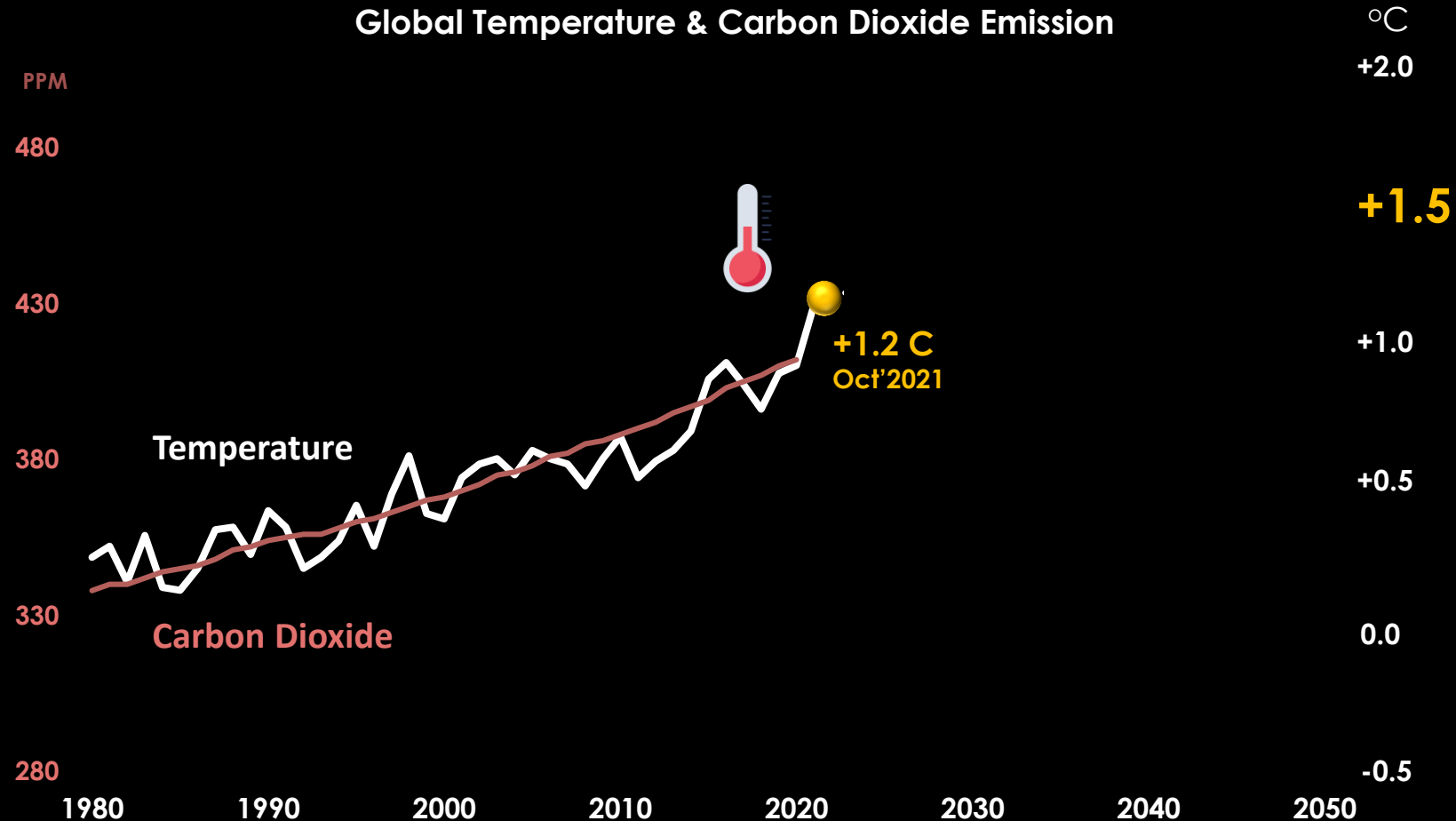
## Why Temperatures Matter

- Strong Correspondence between CO<sub>2</sub> and Temperature
- When CO<sub>2</sub> Concentration Goes Up, Temperatures Goes Up



## The Globe is Warming Up Faster Than Before

Global Temperature & Carbon Dioxide Emission



**“EITHER WE STOP IT, OR IT STOPS US”**

General Antonio Guterres  
UN Secretary





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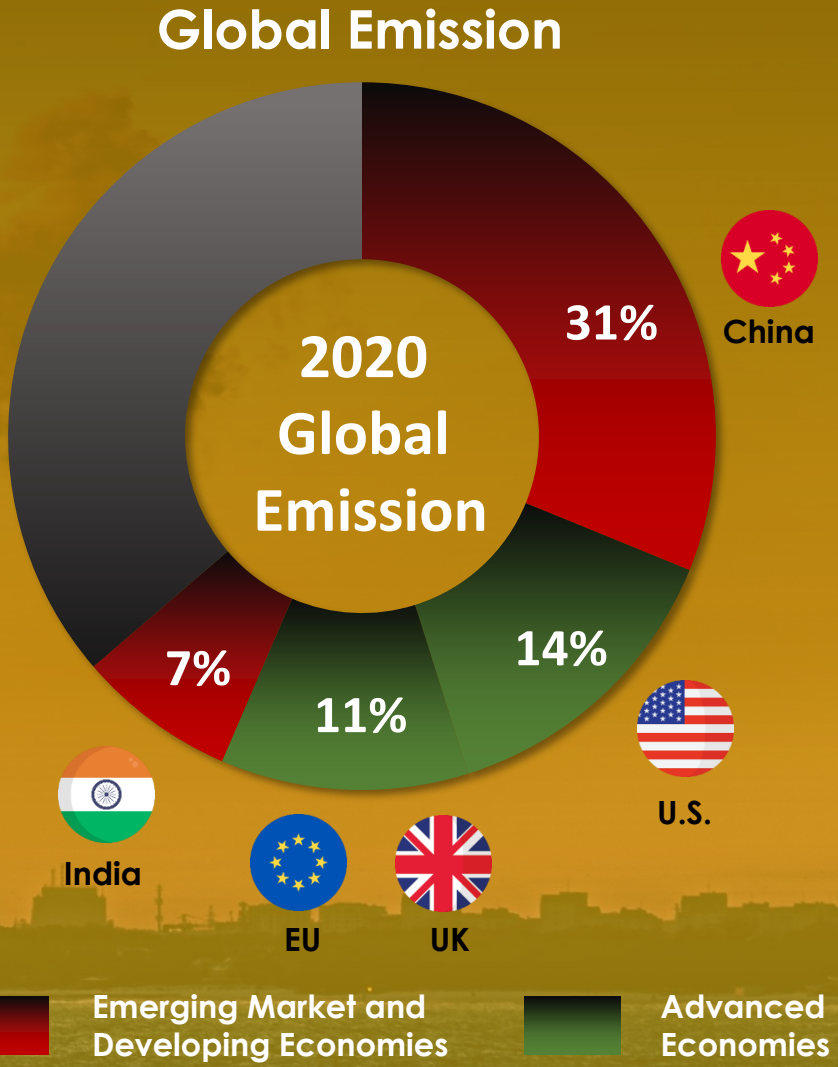
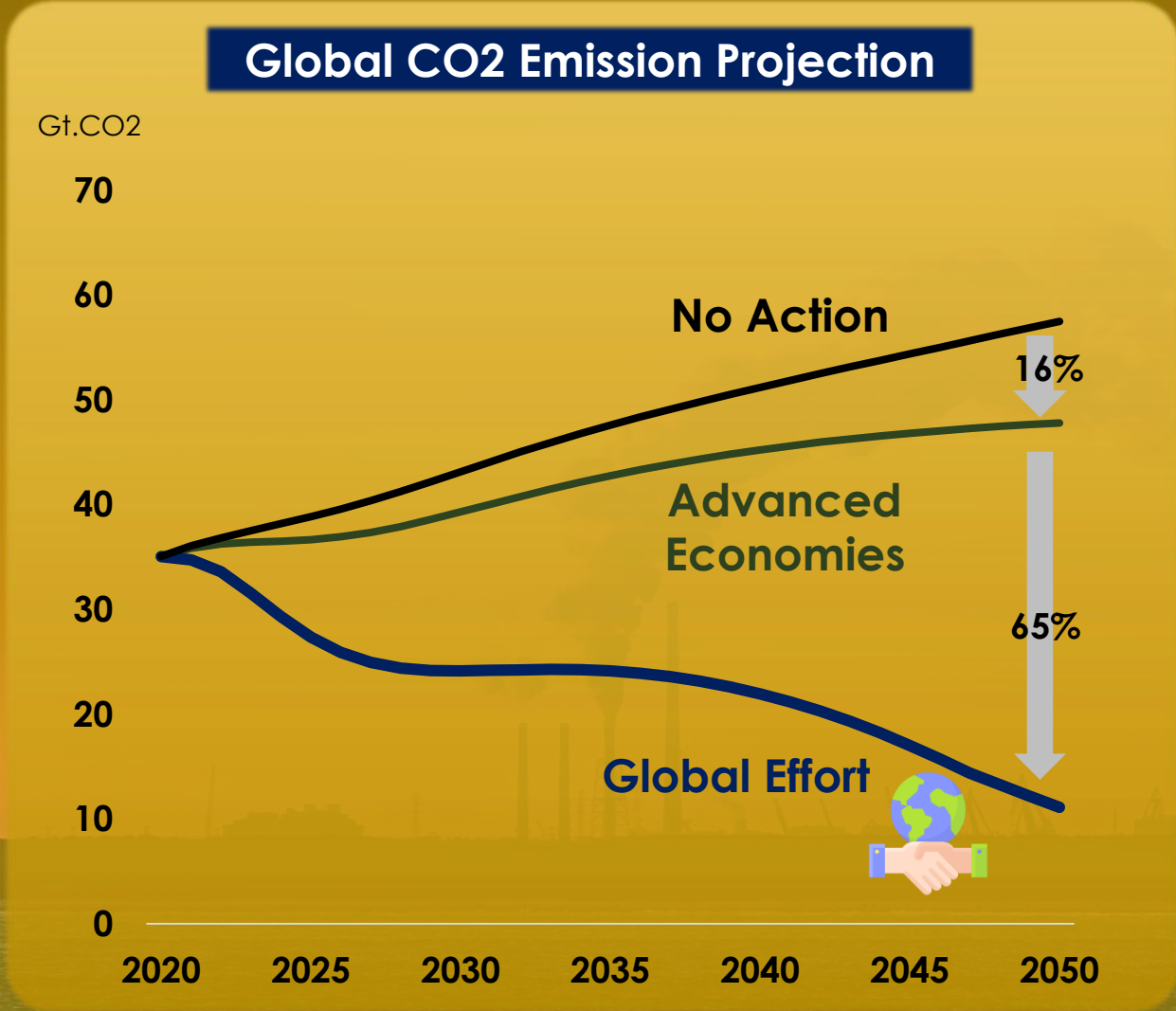


## CHAPTER THREE

A BETTER WORLD

# EVERYONE TASKS TO SAVE THE WORLD

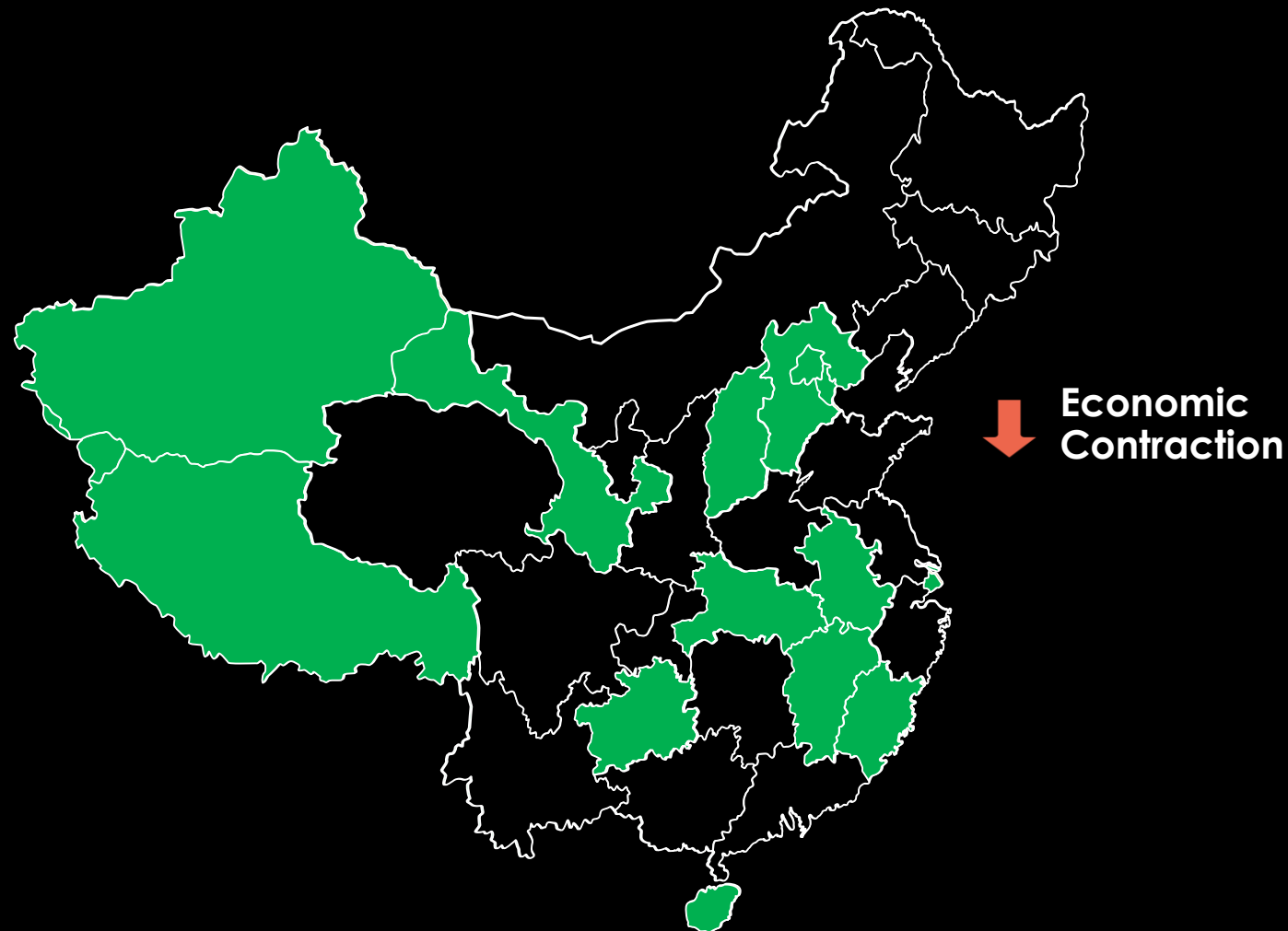
Only Advanced Economies Alone Cannot Keep Global Safe





## The Great Black Out:

More than Half of China's Provinces are Limiting to Electricity Use



**Increase to Fossil Fuel Production**

Increase Domestic Coal Production

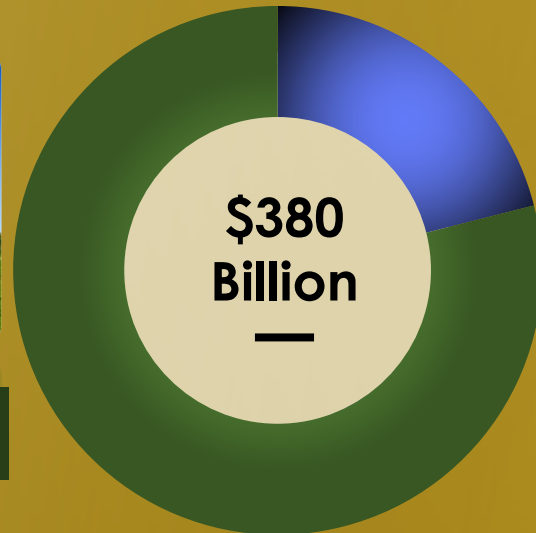
# U.S. : A WAKE UP GIANT

America Is Back at the Table

## Biggest Green Budget in U.S. History\*



80% Clean  
Energy Support



20% Clean Infrastructure



Would Clean  
Policy Be  
Sustain ?

- **5.5% Tax Rate** Increase
- **Over 2 million** Fossil fuel related job to be loss or re-skilled

Source Biden policy, Washington post, US Energy and Employment report

\*not yet approval as of 3Nov'21

## A JOINT PLEDGE

Biden-Xi virtual summit, 16Nov'21



Global Emission

45%

China + US  
Emission



Source BBC



# EUROPE : THE GREEN LEADER

Strong And Persistent Efforts To Achieve Target

## Higher Renewable Supply Over Past 10yrs



## Energy Crisis : A Perfect Storm for the Europe Green Energy Transition



Lower Output in  
Wind & Hydro Power Sector

## One Step Back for a Brighter Journey Ahead

Higher  
Coal &  
Oil



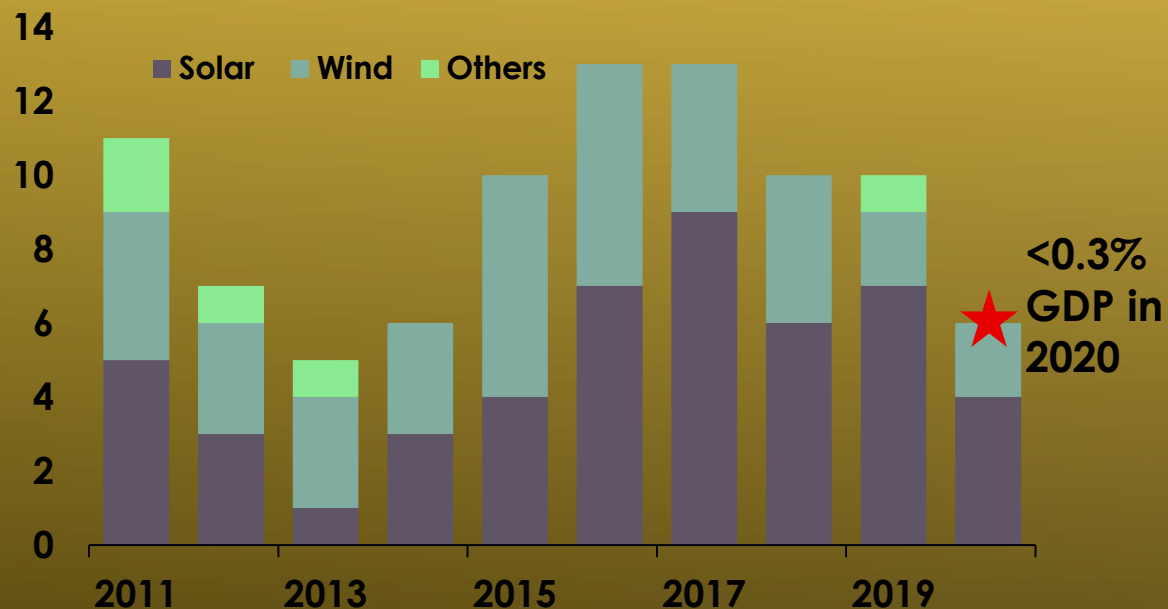
Carbon  
Credit

# INDIA: STEPPING FORWARD

## Obstacle on Financial Support

### Limited Support for New Renewables Build

Financial Investment in Renewables (\$bil.)

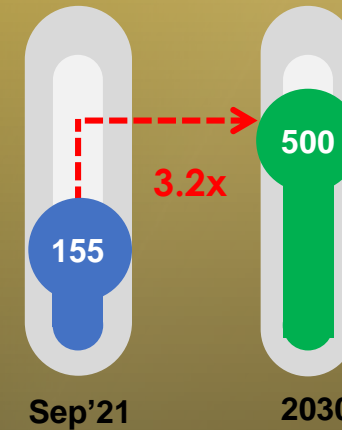


Source Bloomberg

### Strategies to Mitigate National Carbon Emission

A

India's Non-Fossil Fuel Power Generation (GW)



B

EV Financial Support

**\$3.5 bil.**  
Production-Linked  
Incentive for  
EV Manufacturing



Source World Bank

“

**India expects climate finance of \$1 trillion at the earliest**

Narendra Modi at COP26

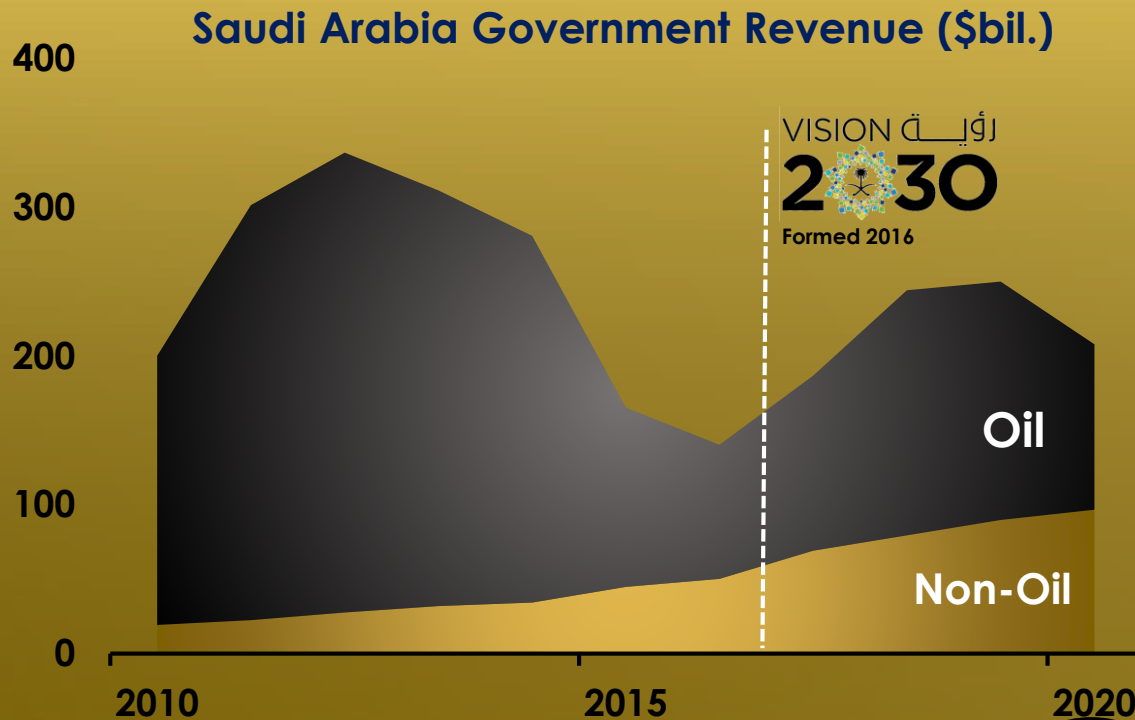




# SAUDI : BUILDING SUSTAIN KINGDOM

Integration Businesses with Oil For A Sustain Economy

## Higher Non-oil Income Despite Dominant By Oil



Beginning this journey to a greener future has not been easy, but we are not avoiding tough choices

Mohammad Bin Salman, Oct'21



## Portfolio Diversification



Source PIF 2021-25 Plan

## Low Carbon Strategies

Net Zero Target  
**2060**

- Circular Carbon Economy
- \$180 bil. in Green investment
- Plant 450 million trees

Source Reuters

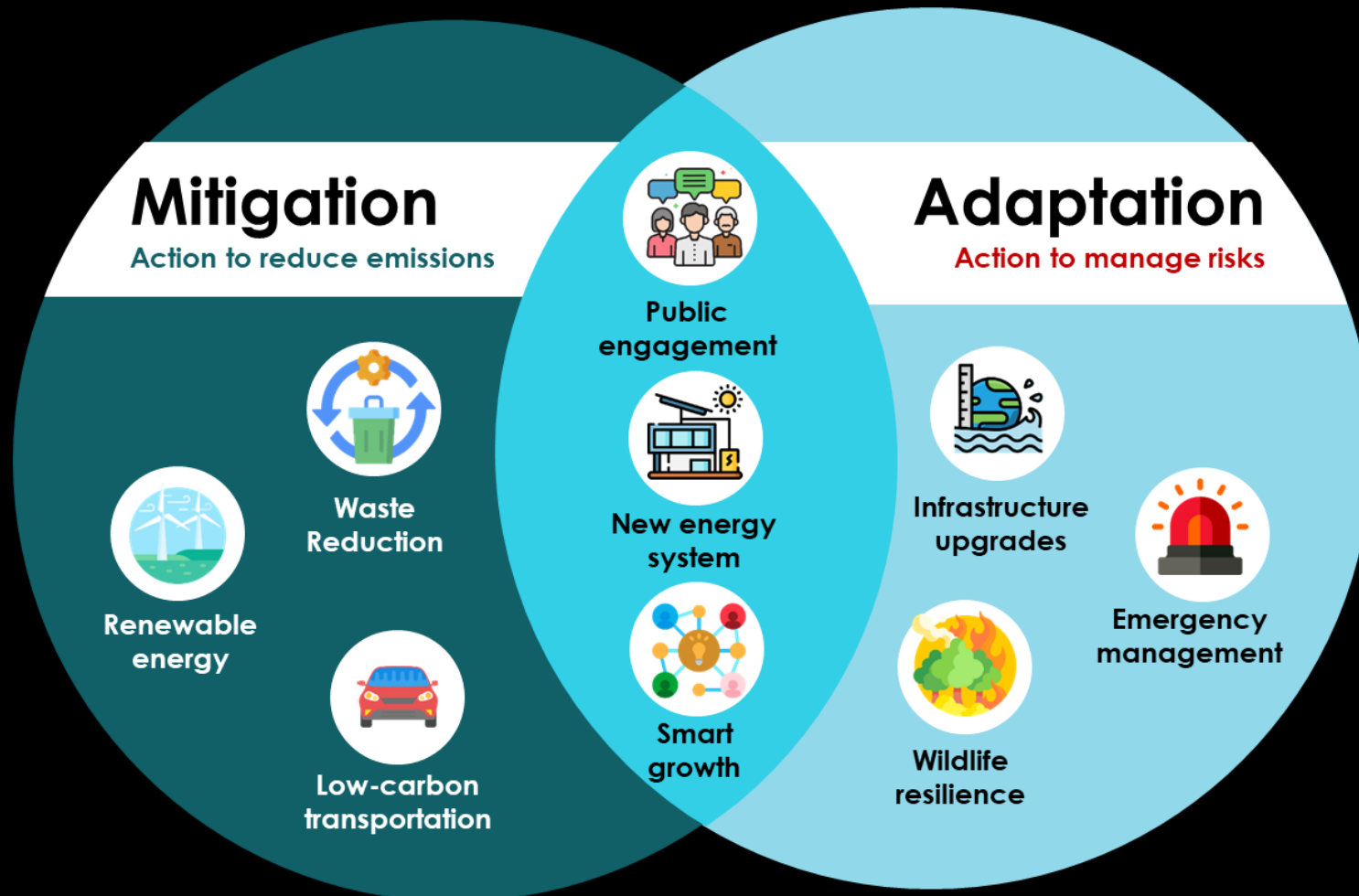
# BUILDING CLIMATE RESILIENT

## The Three Pillars of the Response to Global Warming

### Actions Summary

**The mutual goal but different challenges and responsibilities**

<b>China</b>	Increase solar and wind energy & reduce coal
<b>U.S.</b>	Support infrastructure and support renewables
<b>EU</b>	Develop new technologies tackling climate action
<b>India</b>	Take actions on climate and call for support
<b>Saudi</b>	Diversify income with circular economy





# NO ONE LEFT BEHIND

Combat Climate Change with Financial Support

## CLIMATE FINANCE

Climate Finance by  
Developed Countries

**\$100 Billion**

Public Fund

Unit : \$bil.



Remark : target \$100 billion in 2023-2025

## GREEN FUND

 GFANZ

Glasgow Financial Alliance

**\$130 Trillion**

Private Fund

From 450 Financial Institution  
Across 45 countries

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# MIXING BETWEEN ENVIRONMENT AND HUMAN

Balancing All Elements to Create Sustainable World





**“THE CLIMATE HAS NO BORDER”**

COP26  
Glasgow, UK





