



**CLIMATE &  
CLEAN AIR  
COALITION**

TO REDUCE SHORT-LIVED  
CLIMATE POLLUTANTS

# QUICK ACTION ON SLCPs FOR QUICK

# RESULTS WITH MULTIPLE BENEFITS

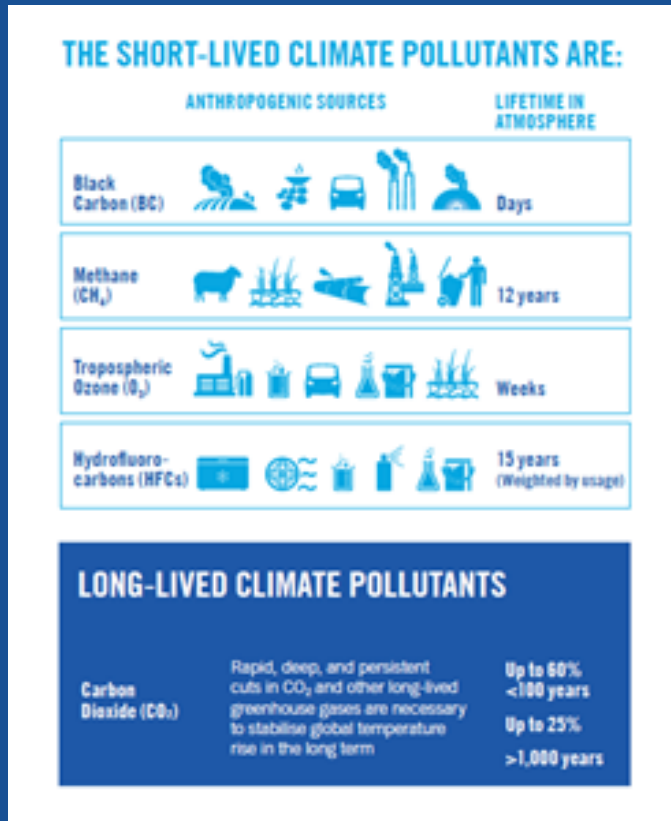
ADDRESSING NEAR-TERM CLIMATE CHANGE & AIR POLLUTION

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# WHAT ARE SHORT-LIVED CLIMATE POLLUTANTS?



SLCPs are substances with relatively short lifetime in the atmosphere and a warming influence on near-term climate.

They are powerful climate forcers and dangerous air pollutants, detrimental to human health, agriculture and ecosystems.



# WHAT ARE SLCP IMPACTS?



Harm public health



Reduce food security



Warm the atmosphere



Increase ice and snow melting



Disrupt weather patterns

SLCPs have negative impacts on:

- Public health
- Food security
- Global warming
- Ice and Snow melting
- Weather patterns

Which threatens economic security of large populations throughout the world.



# WHY DO WE NEED TO ACT ON SLCPS URGENTLY?

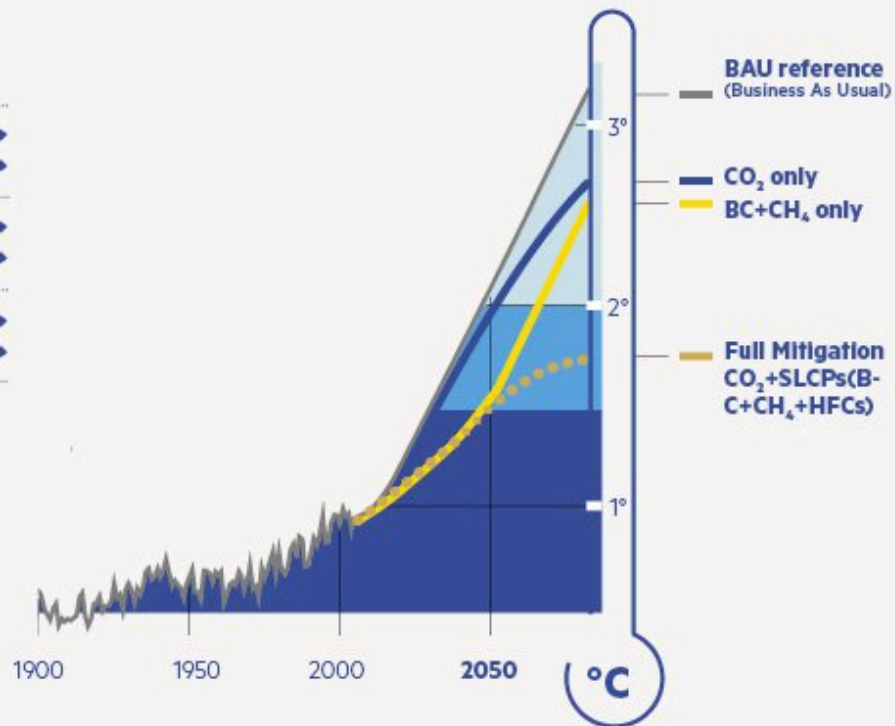
## SLCP CLIMATE BENEFITS

Avoided Global Warming **by 2050**

BC + CH<sub>4</sub>      **0.5°C**

HFCs              **0.1°C**

SLCPs             **0.6°C**



SIMULATED TEMPERATURE CHANGE  
UNDER VARIOUS MITIGATION SCENARIOS



# WHAT ARE THE BENEFITS OF CUTTING SLCPs EMISSIONS?

## ANNUAL BENEFITS

From large-scale mitigation **by 2030**

CLIMATE



**AVOIDED  
WARMING**

  
REDUCED RATE  
OF SEA-LEVEL RISE  
BY ~20% BY 2050

  
REDUCED RATE  
OF MELTING

  
REDUCED RATE  
OF SEA-LEVEL RISE  
BY ~20% BY 2050

HEALTH



**2.4  
MILLION**

  
AVOIDED PREMATURE  
DEATHS ANNUALLY  
FROM OUTDOOR  
AIR POLLUTION

REDUCED AIR POLLUTION  
- WORLD'S LARGEST  
ENVIRONMENTAL HEALTH RISK

CROPS



**52  
MILLION**

TONNES OF AVOIDED  
CROP LOSSES FROM  
4 MAJOR STAPLES YEAR



# HOW CAN SLCP EMISSIONS BE REDUCED?

Control measures that involve already existing technologies and practices could significantly reduce SLCPs emissions if implemented around the world.

- 40% of methane emissions
- 80% of black carbon emissions



**The Climate and Clean Air Coalition (CCAC)** is the only global forum whose mission is to support the fight against SLCPs.

It is a partnership between States, international organizations and NGOs.



# CCAC INITIATIVES



AGRICULTURE



BRICKS



COOKSTOVES &  
HEATSTOVES



DIESEL



OIL & GAS



HFCs



WASTE



ASSESSMENTS



FINANCE



SNAP



URBAN HEALTH

7 sectoral and 4 cross-cutting initiatives





# Strengthening the Science and Policy Interface on SLCPs

- Bringing the 16 global measures down to the national and local level
- Take into consideration the cultural and socioeconomic conditions and barriers
- Increased communication of science to the public
- Science should seek input from national and local decision makers and implementers



# REGIONAL ASSESSMENT INITIATIVE

Strengthen the scientific basis for national action

## Objective:

- Provide a more scientifically robust and policy-relevant foundation for action on SLCPs at regional and national level.

## Why?

- To enable prioritisation of measures and decision making supported by up-to-date and robust scientific assessments.

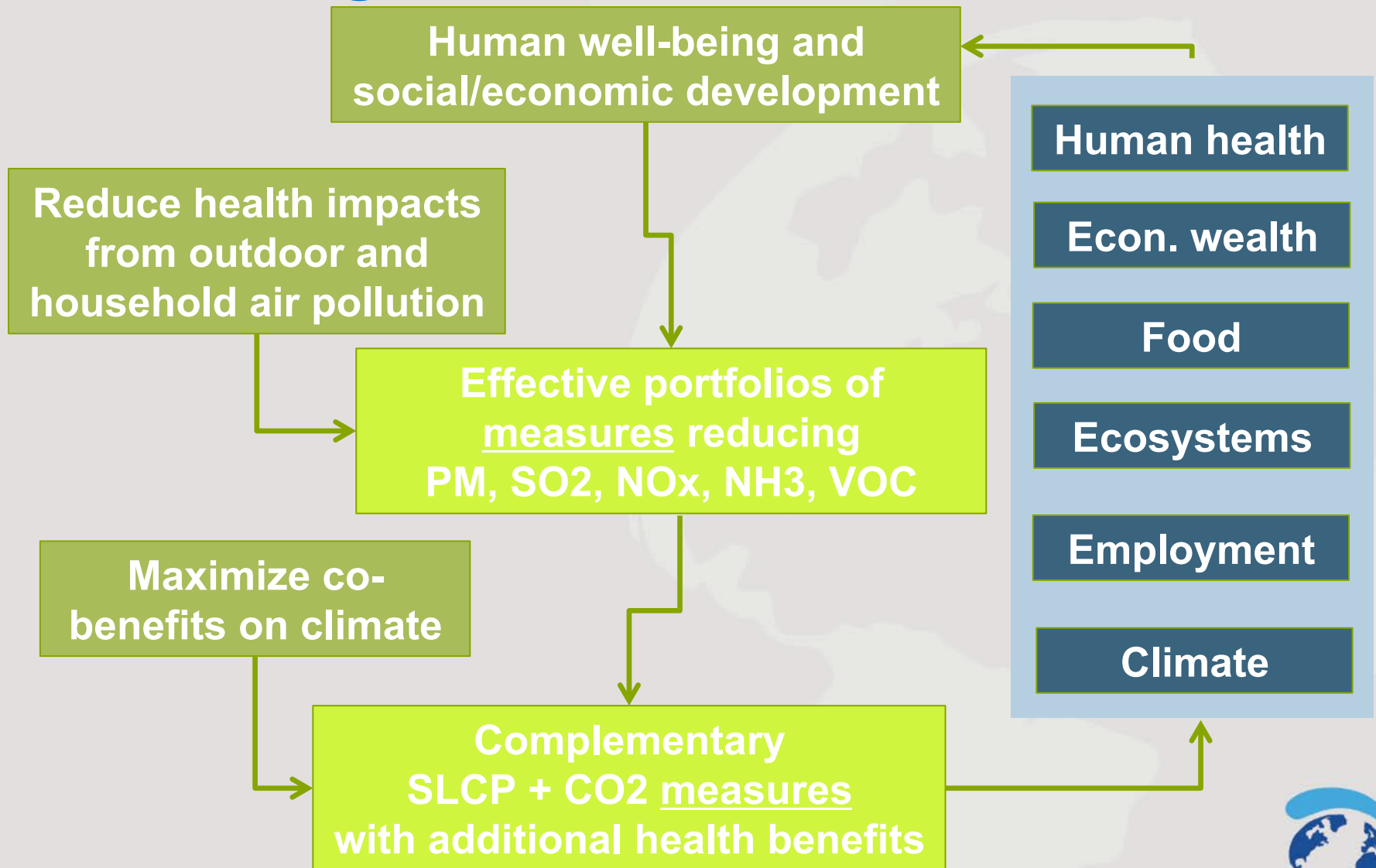


# SLCP Regional Assessment Asia

- Overarching Question
- How can clean air policies in Asia:
  - Enhance human wellbeing
  - Secure food production and biodiversity
  - Support social and economic development
  - Slow down temperature increase
  - Adapt to climate change, and
  - Contribute to global climate targets?



# SLCP Regional Assessment Asia



# Thank you!

**LEARN MORE:**



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