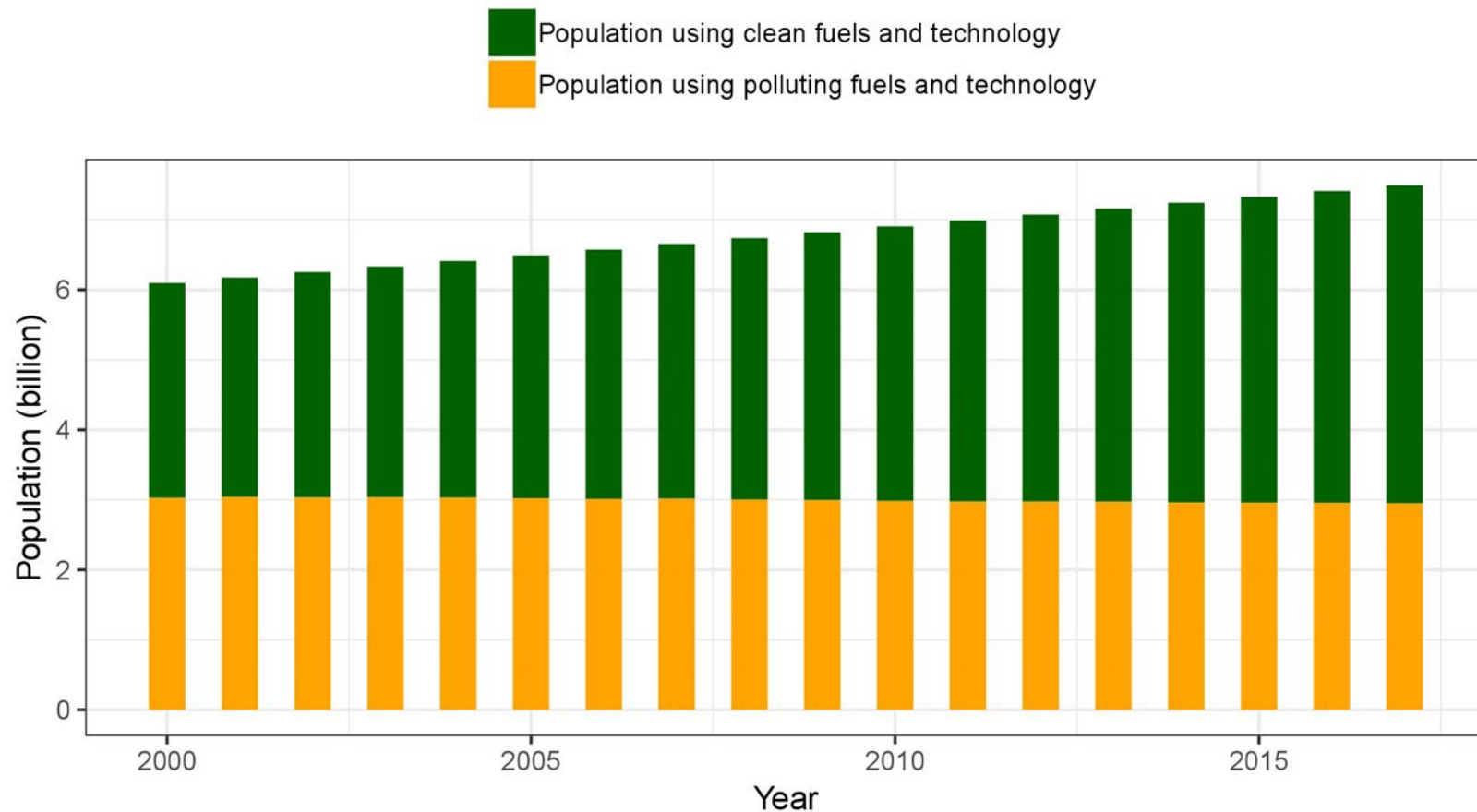




# Health as an action driver toward clean cooking solutions

## DEVCO Environment and Climate Week

Jessica Lewis, Technical Officer, Air Quality and Health, WHO



## Energy access situation

More than **3 billion** people still rely on polluting energy sources for cooking

Unchanged for 20 years





# Health toll

Almost **4 million deaths**  
per year attributed to  
household air pollution  
from cooking alone

+

Injuries, burns,  
poisonings, time burden



# HOUSEHOLD AIR POLLUTION

## 3.8 million

die prematurely every year from household air pollution from cooking (2016). Household air pollution is mostly created by using kerosene and solid fuels such as wood with polluting stoves, open fires and lamps.

**Women and children are the most at risk.**



**18%**  
from stroke



**27%**  
from ischaemic heart disease



**20%**  
from chronic obstructive pulmonary disease (COPD)

**8%**  
from lung cancer

**27%**  
are due to pneumonia





## Environmental crisis

Household air pollution is a major source of **outdoor air pollution**

25–50% in some countries

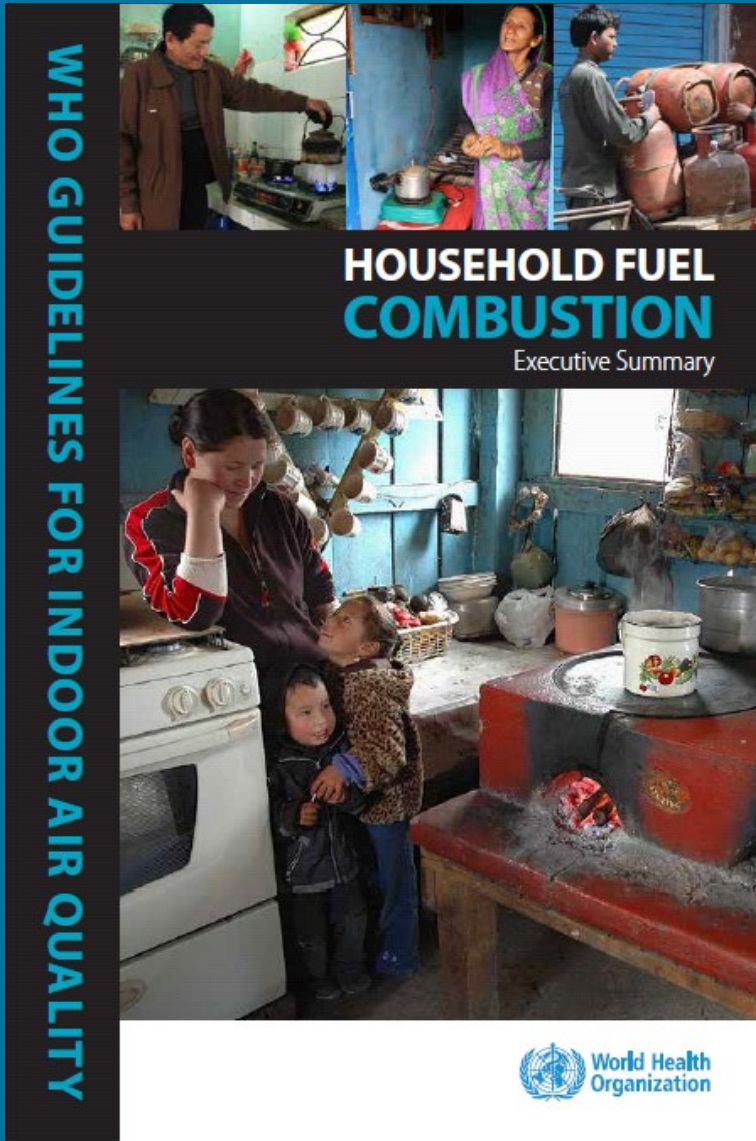
$\frac{1}{4}$  black carbon emissions globally

Deforestation,  
decreased biodiversity





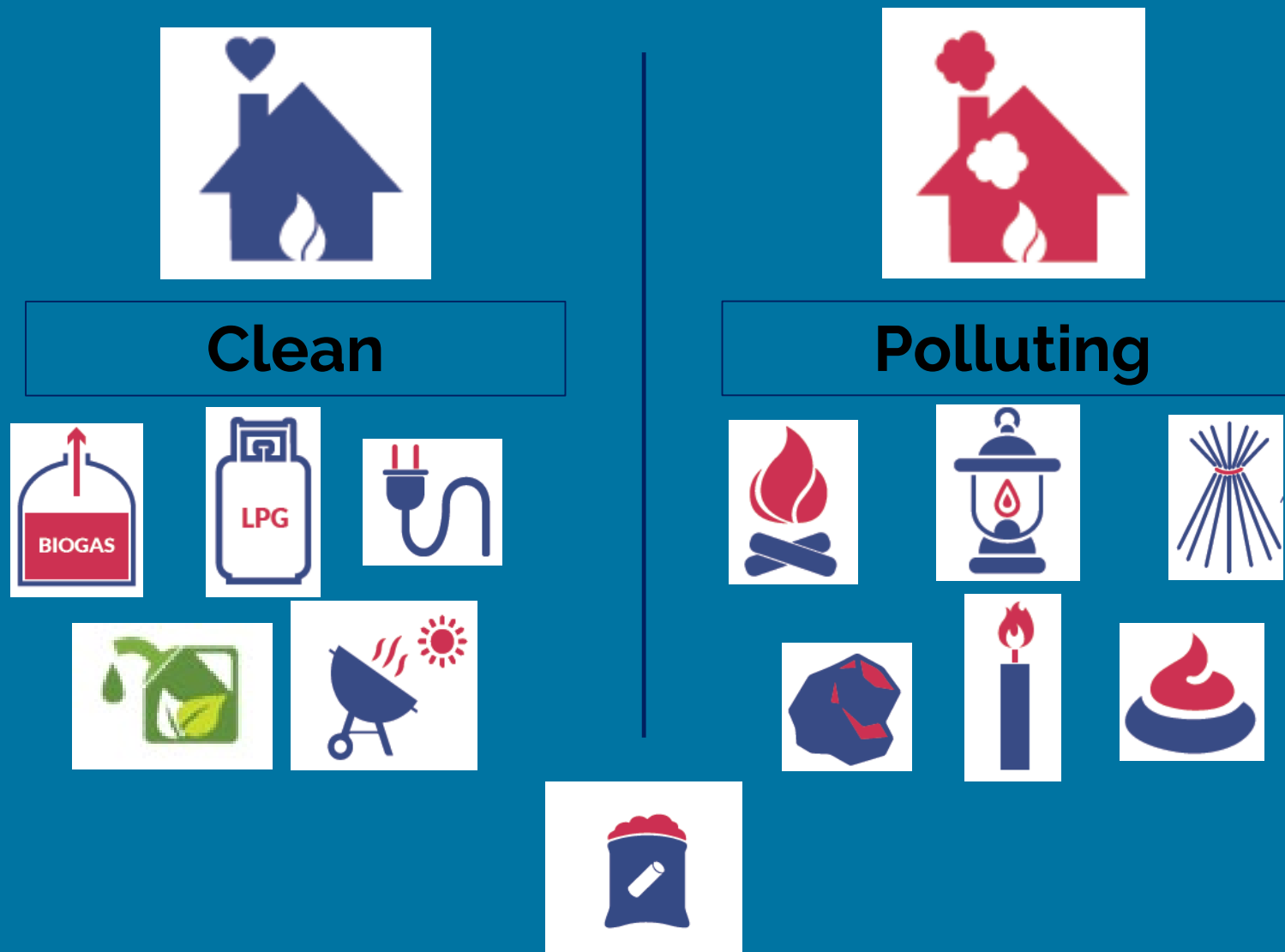
# WHO Guidelines define “clean” for health



- How clean is clean enough (fuel + device)
- *All end-uses* (e.g. cooking, heating, lighting) need to be clean
- Transitional cooking solutions should be as clean as possible
- What fuels shouldn't be used (kerosene and unprocessed coal)
- Policies should incorporate synergies between climate, health and clean energy

# Definition of “Clean” Energy for Health

*A MATTER OF FUELS AND TECHNOLOGIES*



*Biomass – achieve WHO Guidelines?*

# Health and Energy Platform of Action

## Vision:

Accelerating the transition to clean energy to improve health and livelihoods

## How?

Strengthening the **political and technical** cooperation between the **health and energy sectors** through a **multi-stakeholder platform of action** (governments, civil society, UN, private sector), by building and/or strengthening existing national coordination mechanisms on energy and health policies and programmes

## Initial focus:

Clean cooking and health care facilities

**3** GOOD HEALTH  
AND WELL-BEING



**7** AFFORDABLE AND  
CLEAN ENERGY



**5** GENDER  
EQUALITY



**13** CLIMATE  
ACTION





# Thank you

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# How do we achieve clean household energy?

## Clean Household Energy Solutions Toolkit (CHEST)



Tools and Resources for Developing & Implementing Clean Home Energy Policies & Programmes