



ASIA CLEAN ENERGY FORUM 2024

Deep Dive Workshop:
**Electrifying Cooking – Innovative Approaches and
Business Models for Asia and the Pacific**

5 JUNE 2024

Clean cooking fund: lessons learned to move toward universal energy access

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URGENT ACTION NEEDED: ACCELERATE ACCESS TO PROTECT VULNERABLE POPULATIONS FROM HIGH SOCIO-ECONOMIC COSTS.

Health: 3.2 million premature deaths each year that could be avoided with clean cooking

Today 2.3 billion people lack access to clean cooking

Emissions: 1.7 gigatons (Gt) of CO₂e ~ 3% of global GHG

Gender: 47 days of extra work each year are required –mostly unpaid women/girls work

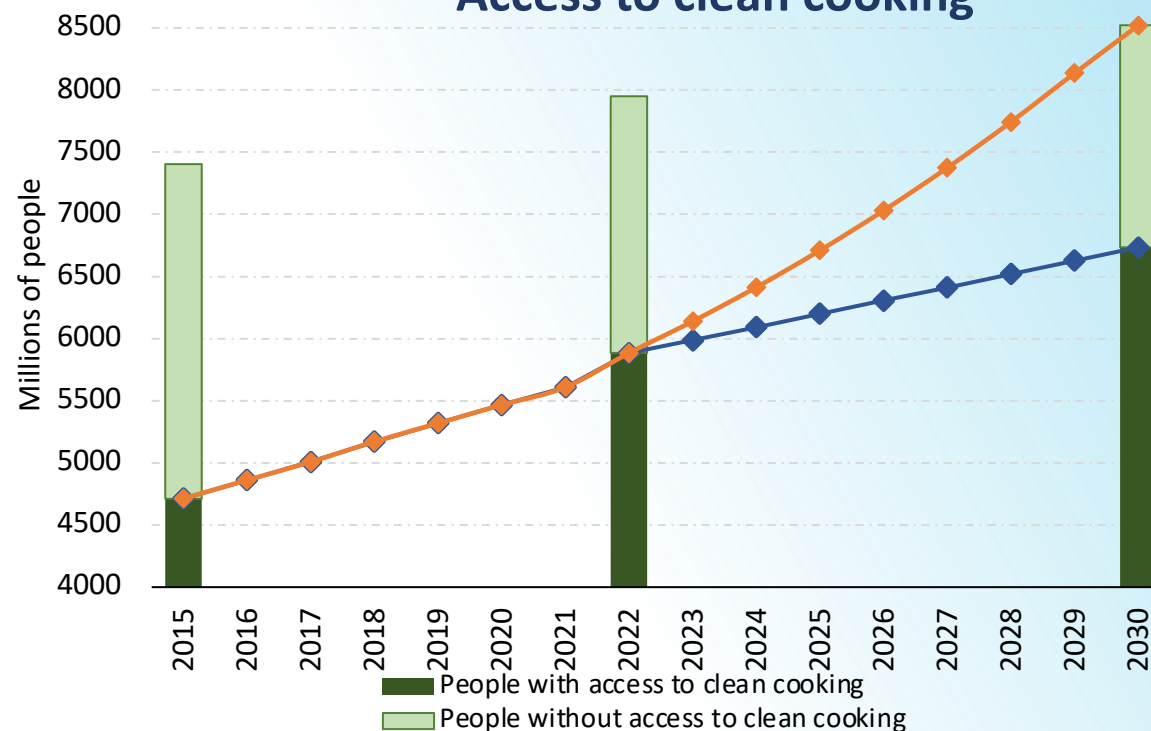
Other SDGs **require energy access** for food security, health, education, gender equality, income generation, reduce inequality and climate action.





THE WORLD IS NOT ON TRACK TO ACHIEVE UNIVERSAL ACCESS TO CLEAN COOKING SOLUTION BY 2030.

Access to clean cooking

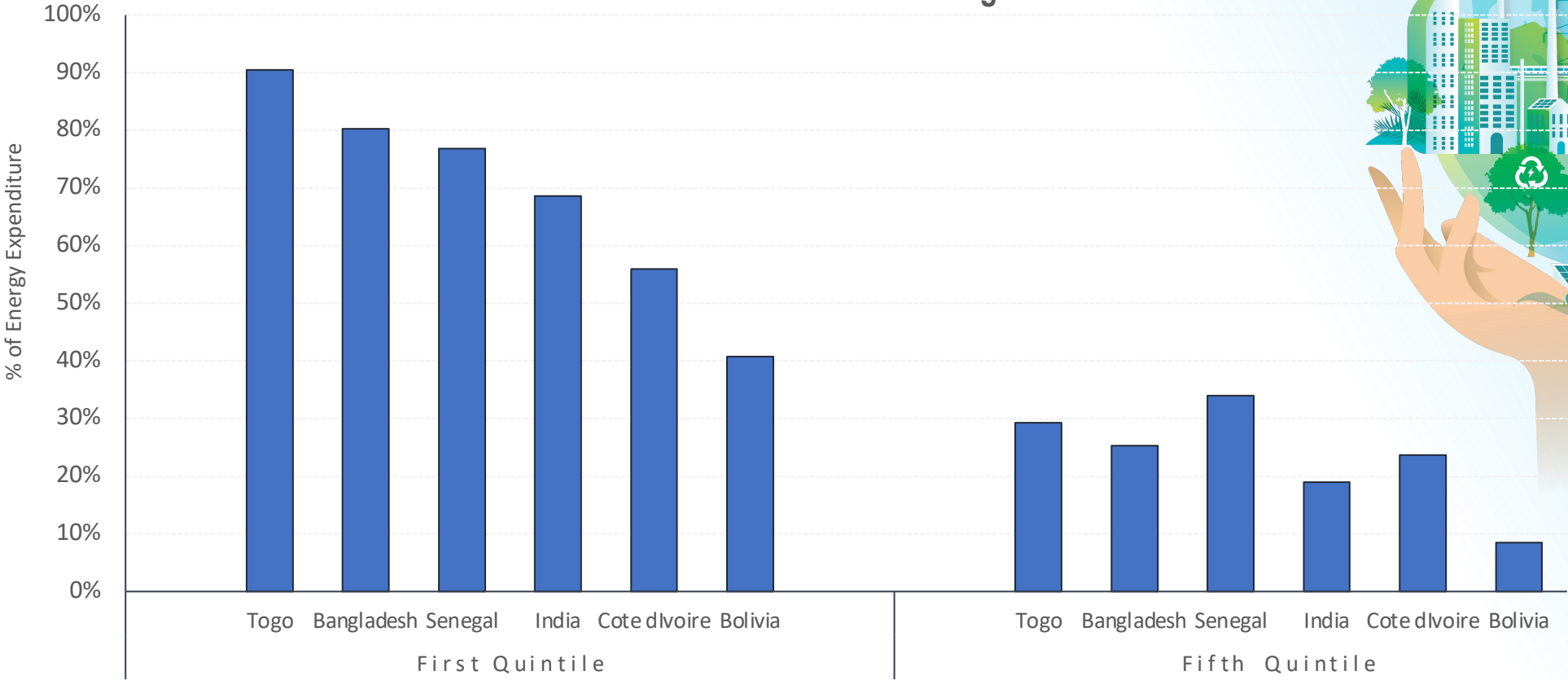


1.7 billion people will still lack access to clean cooking in 2030 if there is no substantial change

COOKING IS THE MAIN EXPENSES OF THE MOST VULNERABLE

THERE IS NO JUST ENERGY TRANSITION THAT DOES NOT INCLUDE COOKING

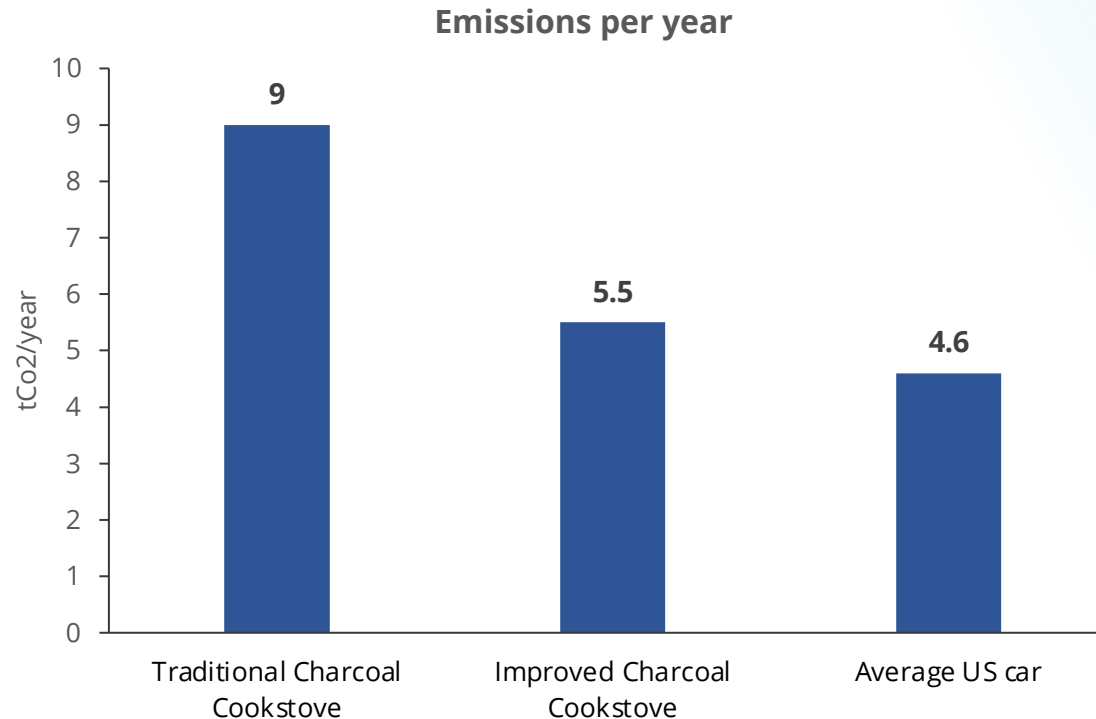
Traditional Cooking Fuels



COOKING IS THE MAIN EXPENSES OF THE MOST VULNERABLE

THERE IS NO JUST ENERGY TRANSITION THAT DOES NOT INCLUDE COOKING

- ❖ **Carbon finance** could become a growing source of finance for clean cooking, as it creates a guaranteed source of revenue once a stove is delivered, and its climate impact verified.
- ❖ Clean cooking projects accounted for around 15% of all carbon credits issued from May to November 2023 (Reuters, 2024).
- ❖ In 2020 the cooking CO₂ emissions was estimated in 1.69GtCo₂, i.e. 3% of total global emissions.



Ps.: average LPG cookstove 2-2.5tCo₂/year



WHAT IS CLEAN COOKING FUND?

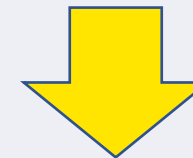
Clean Cooking Fund

- Leverage World Bank/Multilateral Development Banks finance and attract private-sector **investments** in the clean cooking sector.
- Catalyze technology and business **innovations** by providing incentives for players across clean-cooking value chains.
- Link incentive payments with verified results at the output, outcome, and **impact** levels.



US\$500 MILLION TO CATALYZE \$2 BILLION IN INVESTMENTS AND REACH 200 MILLION PEOPLE

- Support a sizable stream of businesses along the supply chain delivering clean cooking solutions.
- Develop an impact bond market for the clean cooking sector to attract a broad range of funding.



REPLICATION AND SCALE-UP

Universal Access to Clean Cooking



CLEAN COOKING FUND



INVESTMENT

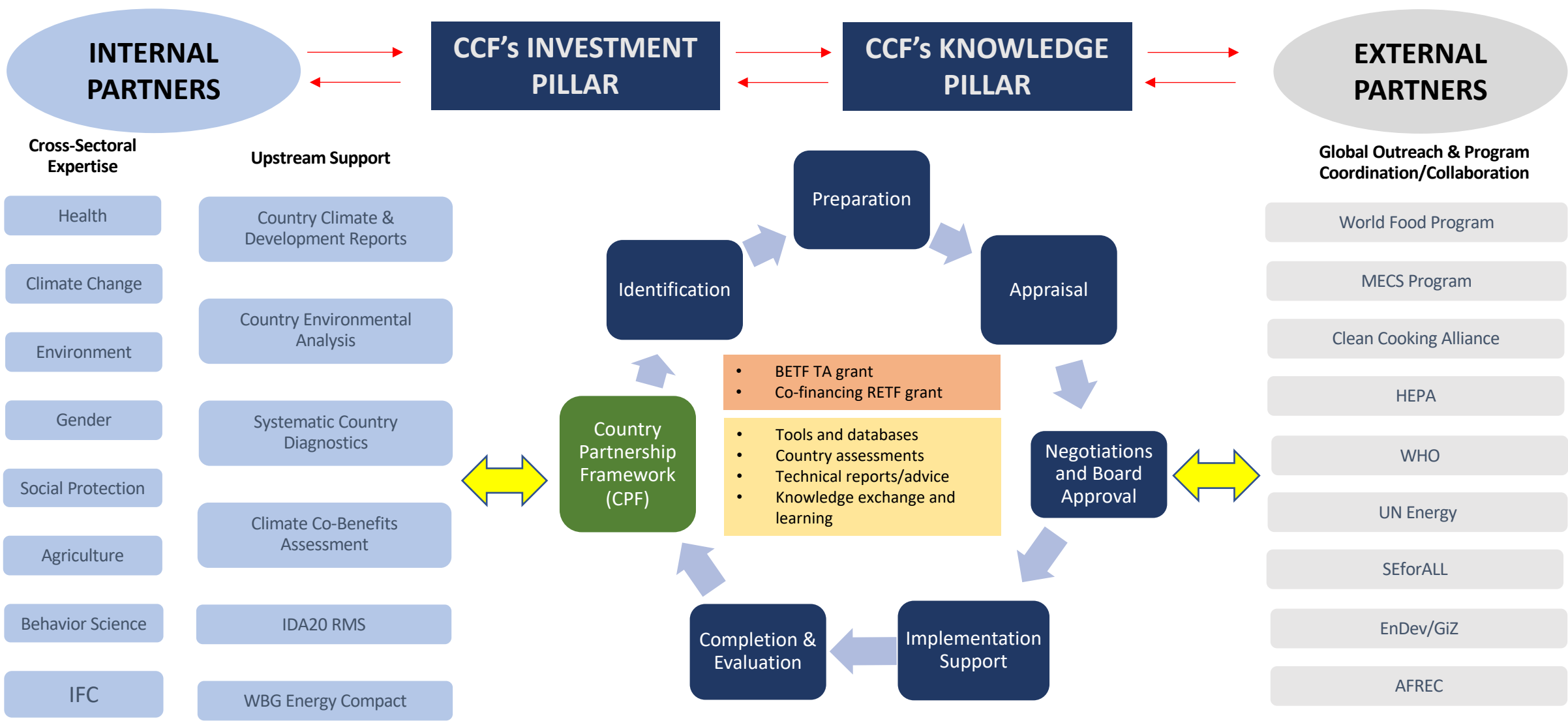


INNOVATION



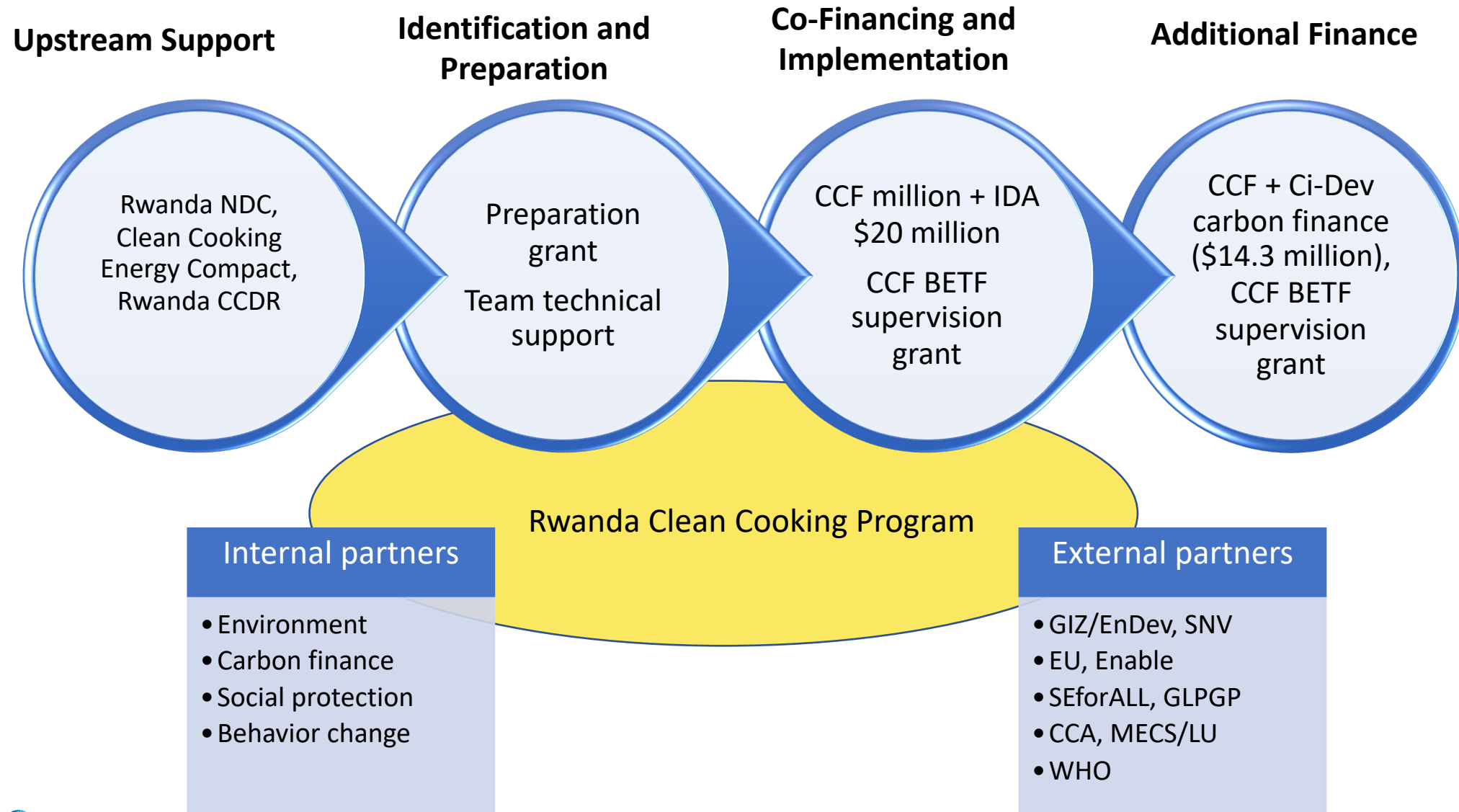
IMPACT

CLEAN COOKING FUND IS IMPROVING THE COOKING ECOSYSTEM THROUGH KNOWLEDGE, INVESTMENT, AND PARTNERSHIP.



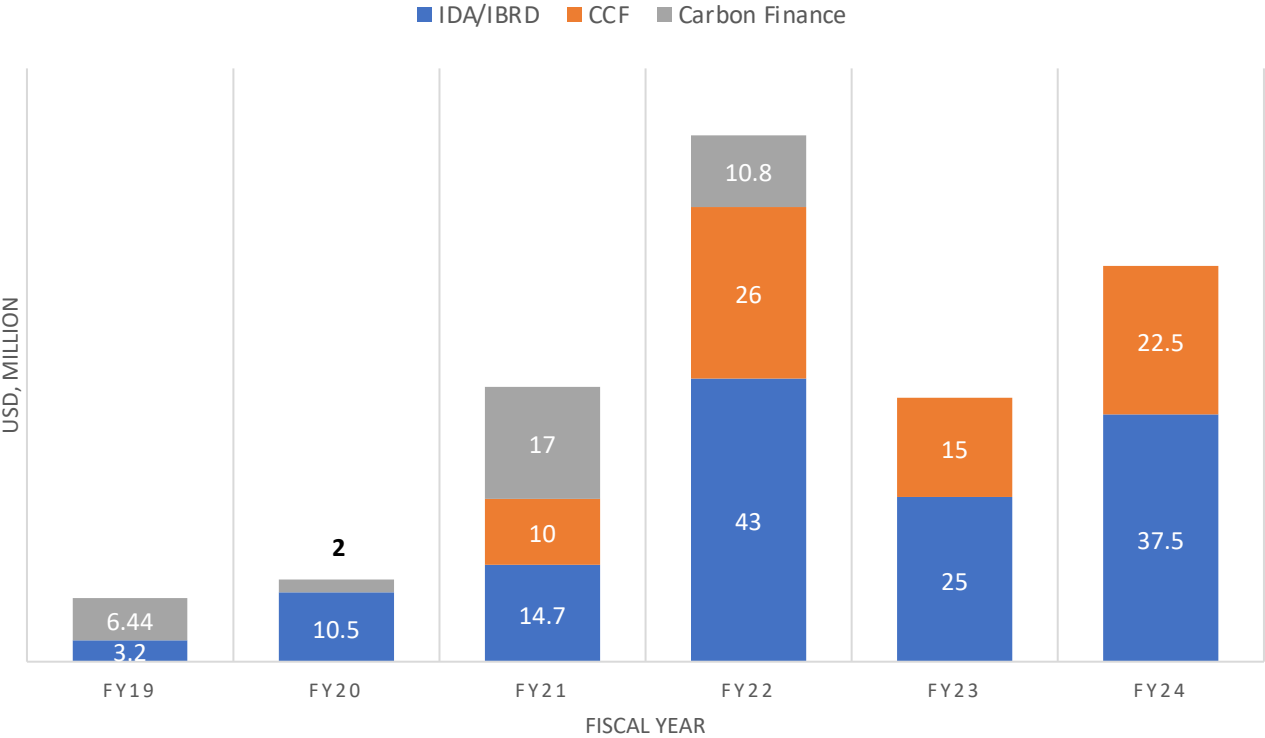
COUNTRY EXAMPLE: CCF COMPREHENSIVE SUPPORT IN RWANDA.

Clean Cooking Fund

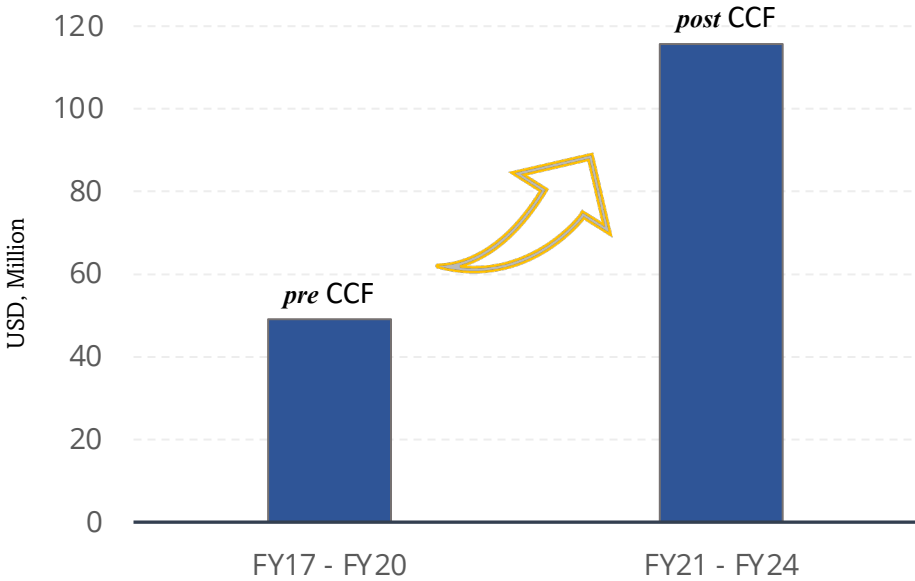


THE CCF IS SCALLING UP WORLD BANK'S FINANCING ON CLEAN COOKING.

WORLD BANK CLEAN COOKING INVESTMENTS FY19-24



The Clean Cooking Fund has helped leverage **more than double** the amount of **IDA** financing.

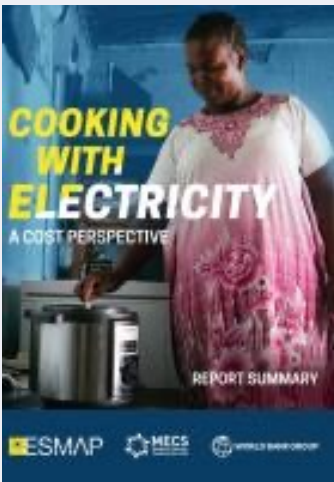
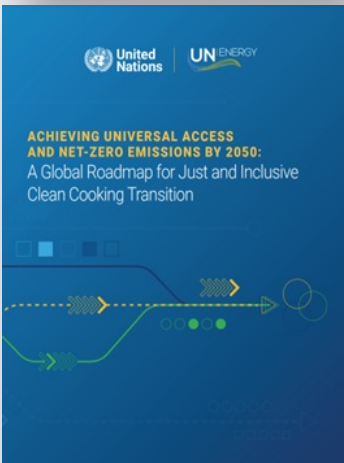
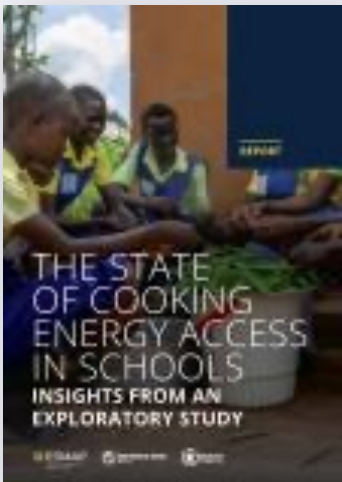


CCF commitments is expected to directly support clean cooking solutions for 40 million people and 2500 schools.

KNOWLEDGE PRODUCTS, EVENTS AND TRAININGS.

Clean Cooking Fund

Highlights of FY21-24 achievements:



CLEAN COOKING Planning Tool

What is needed?

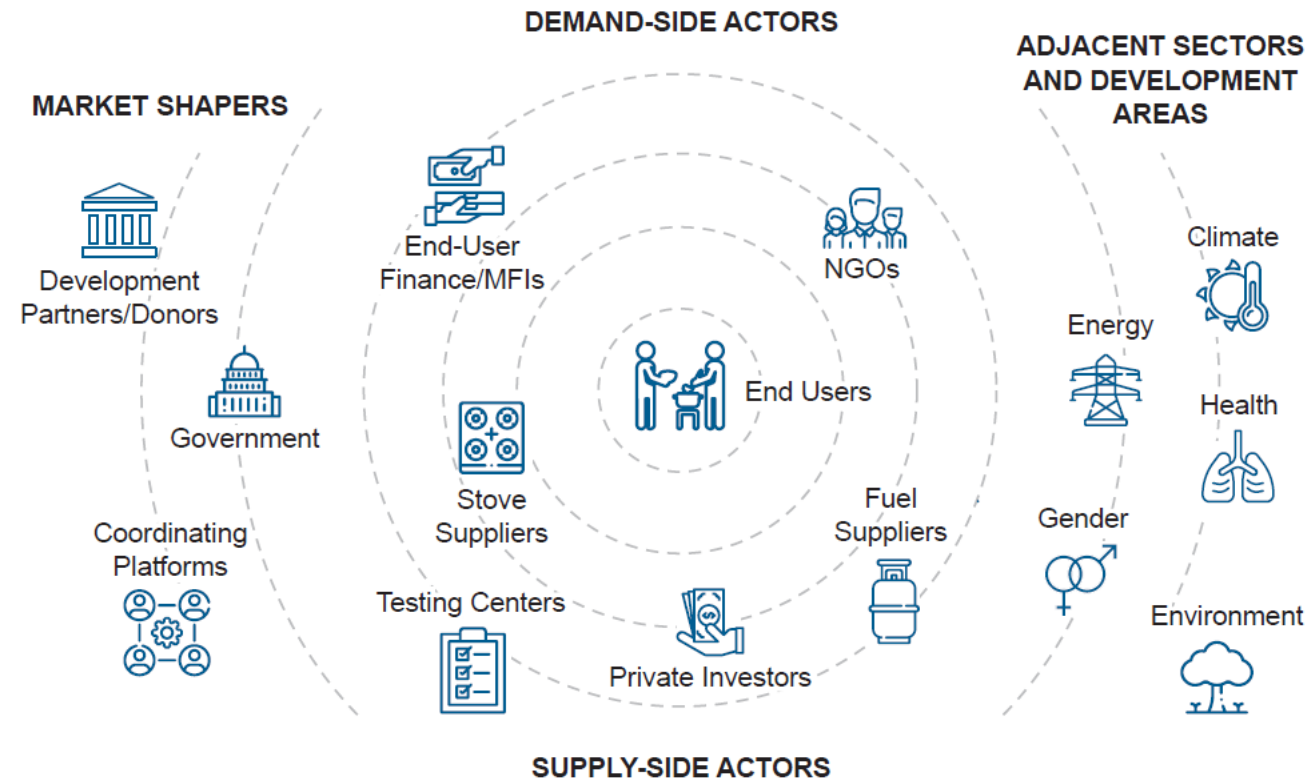
Knowledge and innovation

Financing and funding: grants and subsidies are necessary

Enabling conditions:
Planning and goals - Energy, social, climate environmental

Market and industrial development: energy and appliances

Improving the Overall Cooking Ecosystem



ENABLING CONDITIONS FOR UPTAKE OF CLEAN COOKING SOLUTIONS.

Looking ahead

Advancing policy awareness

Enhance public and governmental awareness of the co-benefits of clean cooking access – multisectoral approach

Measuring, evaluating and adapting policies.

Foster coordination - government agencies and stakeholders

Regulatory Frameworks

Regulations cookstoves and fuels

Tariffs and subsidies reforms

Fiscal re-adequation for clean fuels and cookstoves innovation

National Strategies

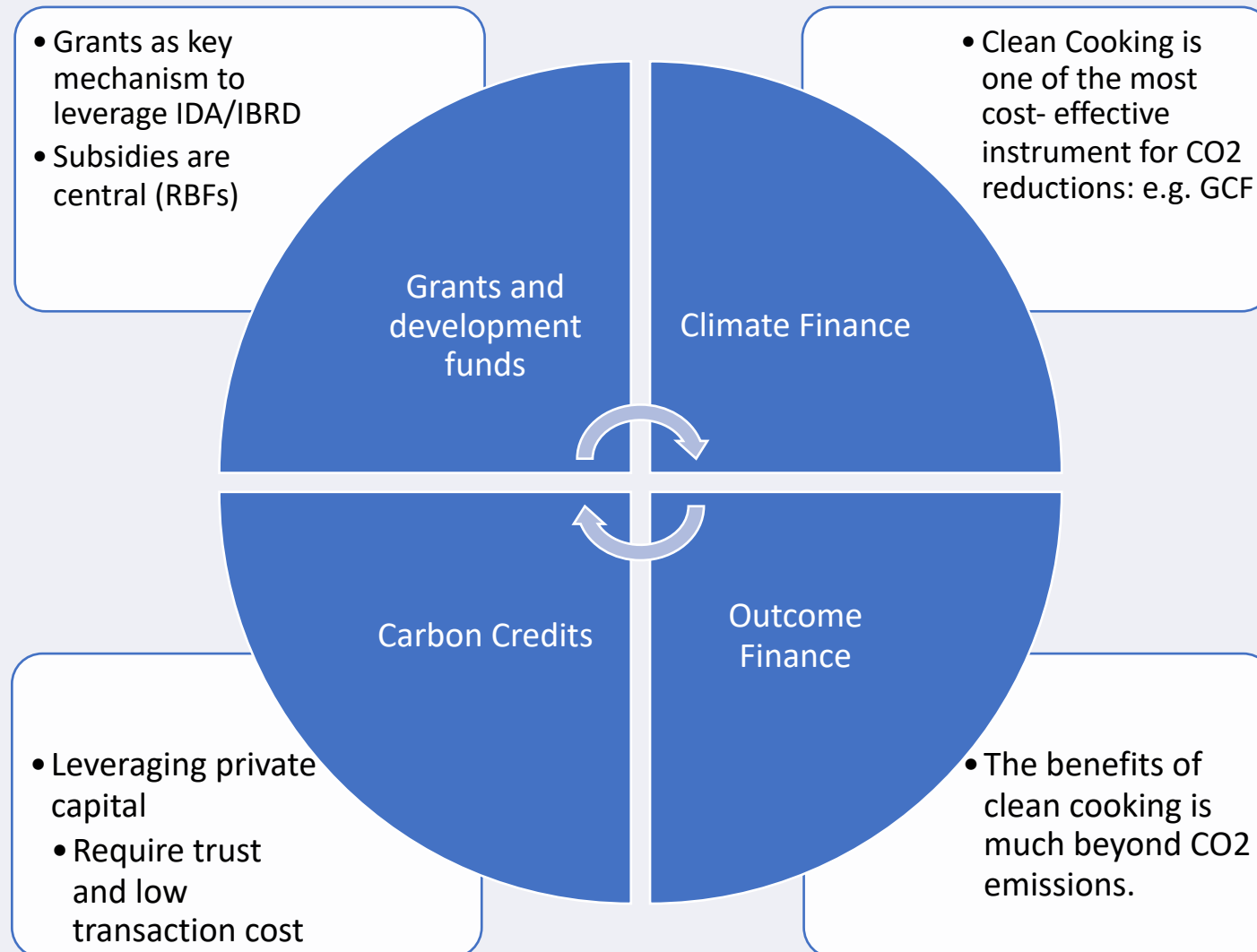
Air Quality Programs, Nationally Determined Contributions, Social Protection Programs.

National energy plans and energy transition strategies.

Universal access planning.

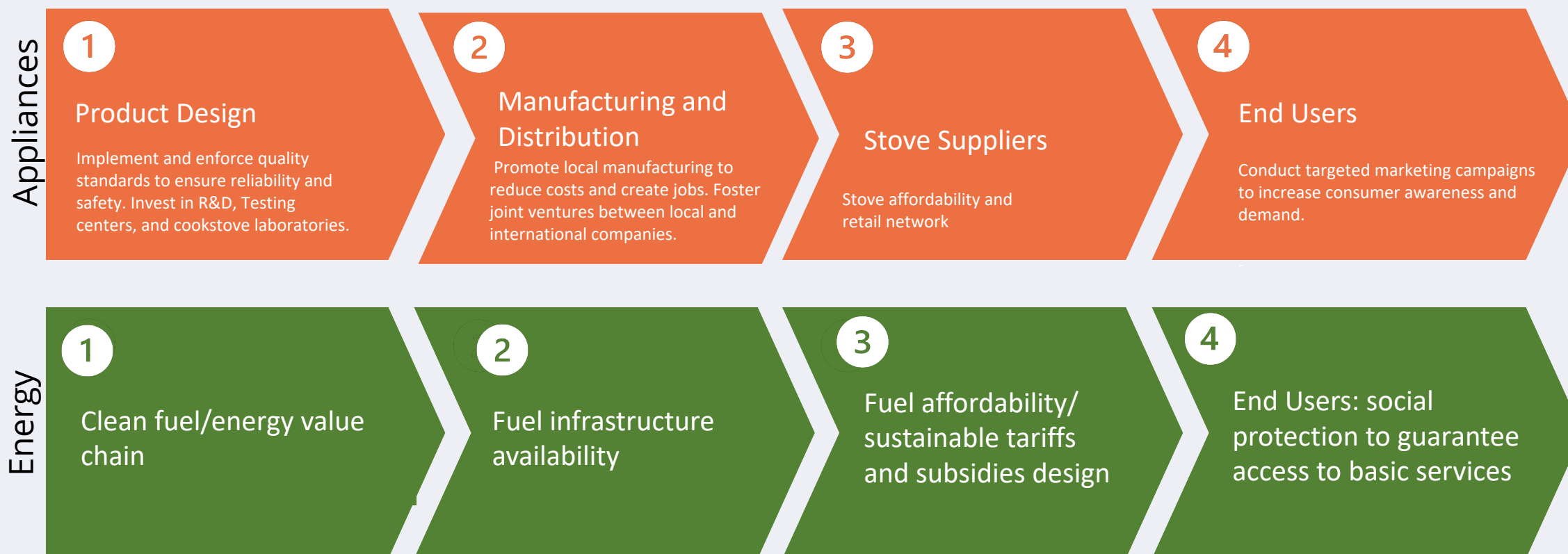
FINANCING SOLUTIONS TO UPTAKE CLEAN COOKING SERVICES

Looking ahead



MARKET AND INDUSTRIAL DEVELOPMENT FOR CLEAN COOKING ACCESS.

Develop robust markets for clean cooking technologies to ensure accessibility and affordability of energy services.



KNOWLEDGE AGENDA.



Partnership is necessary for public goods development and to accelerate well-designed programs.

ASIA CLEAN ENERGY FORUM 2024

Accelerating the Clean Energy Transition and Ensuring Energy Security and Affordability –
Time for Urgent Action Now

3–7 June 2024

ADB



Michelle Hallack

Lead of Clean Cooking Fund - ESMAP
World Bank

Featured Speaker