WHERE ARE WE ON SDG7 ON COOKING ENERGY?

Today, 2.8 billion people globally cook with unsafe, polluting fuels and technologies

Cost of Inaction: $2.4 trillion/Year

Health
$1.4 Trillion

Climate
$0.2 Trillion

Gender
$0.8 Trillion
WHY “MODERN ENERGY COOKING SERVICES”?

Meeting SDG7’s ambitious goals means rethinking households’ energy needs for cooking.

Technical attributes + Contextual attributes = Access to MECS

Note: “Exposure” considers the contextual factors of ventilation and contact time, in addition to the technical attribute of “emissions.”
Modern Energy Cooking Services (MECS) is a household context that has met Tier 4 standards or higher across all six attributes of the Multi-Tier Framework.

Improved Cooking Services is a household context that has met MTF Tier 2 or 3. The status is considered in Transition.
WHAT HAVE WE LEARNED?

4 billion without Access to MECS:
1.25 billion in Transition + 2.75 billion facing higher access barriers
OBSTACLES TO PROGRESS

• Lack of interventions and solutions that are fully responsive to the underlying needs of lower-income and rural households.

• The cooking ecosystem- for both supply and demand generation- is complex and fragmented.

• Lack of “champions” and intergovernmental coordination.

• Lack of an enabling environment
ENCOURAGING TRENDS

• Growing commitment and policy prioritization at global and country levels

• New and emerging technologies/business models and continued innovation

• Better understanding of household cooking energy needs and sector dynamics

• Increased financial resources toward access to MECS

• COVID19 Pandemic provides both challenges and opportunities
A “least-cost, best-fit” approach is needed to reflect users’ needs and local market realities. This means using granular household cooking data as an input for broader national-level energy decision-making - a process that capitalizes on energy-system investments, incentives for clean energy consumption, and trade and energy investment policies that best leverage national comparative advantages.
**TRANSACTION PATHWAY: IMPROVED COOKING SCENARIO**

**Investment Needs:** $10 billion/year (Public Sector-$6 billion and Households-$4 billion)

**Improved Cooking Scenario:** Total Cost to Transition over 10 Years, Disaggregated by Region, Locality, and Contributor

- **US$, billions**
  - **Latin America and the Caribbean:**
    - Total number of households transitioning: 14 million
  - **Sub-Saharan Africa:**
    - Total number of households transitioning: 210 million
  - **South Asia:**
    - Total number of households transitioning: 214 million
  - **Southeast Asia:**
    - Total number of households transitioning: 99 million

- **Total number of households transitioned:** 108 million
**Priority Actions**

Improving the Overall Cooking Ecosystem

- Create high-profile coalitions of political leaders to prioritize MECS access in global and national arenas
- Formalize cooking energy demand in national energy planning and strategies
- Dramatically scale up public and private financing for MECS