

THE STATE OF ACCESS TO MODERN ENERGY COOKING SERVICES REPORT

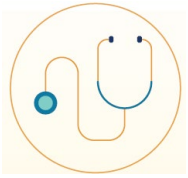
SEPTEMBER 2020



WHERE ARE WE ON SDG7 ON COOKING ENERGY?

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

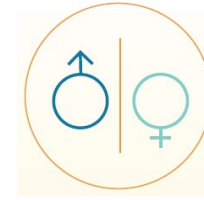
Cost of Inaction: **\$2.4 trillion/Year**



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

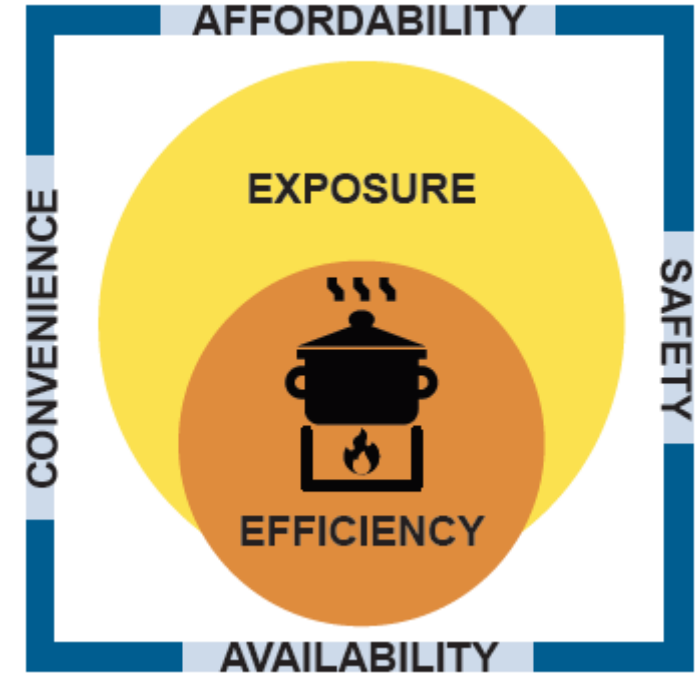
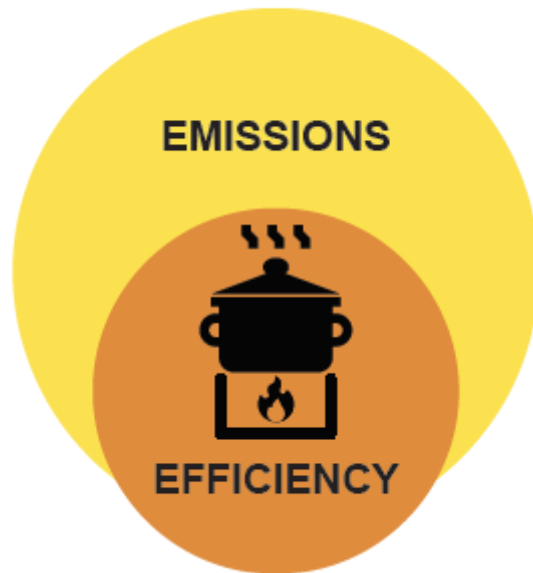
Technical attributes

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Contextual attributes

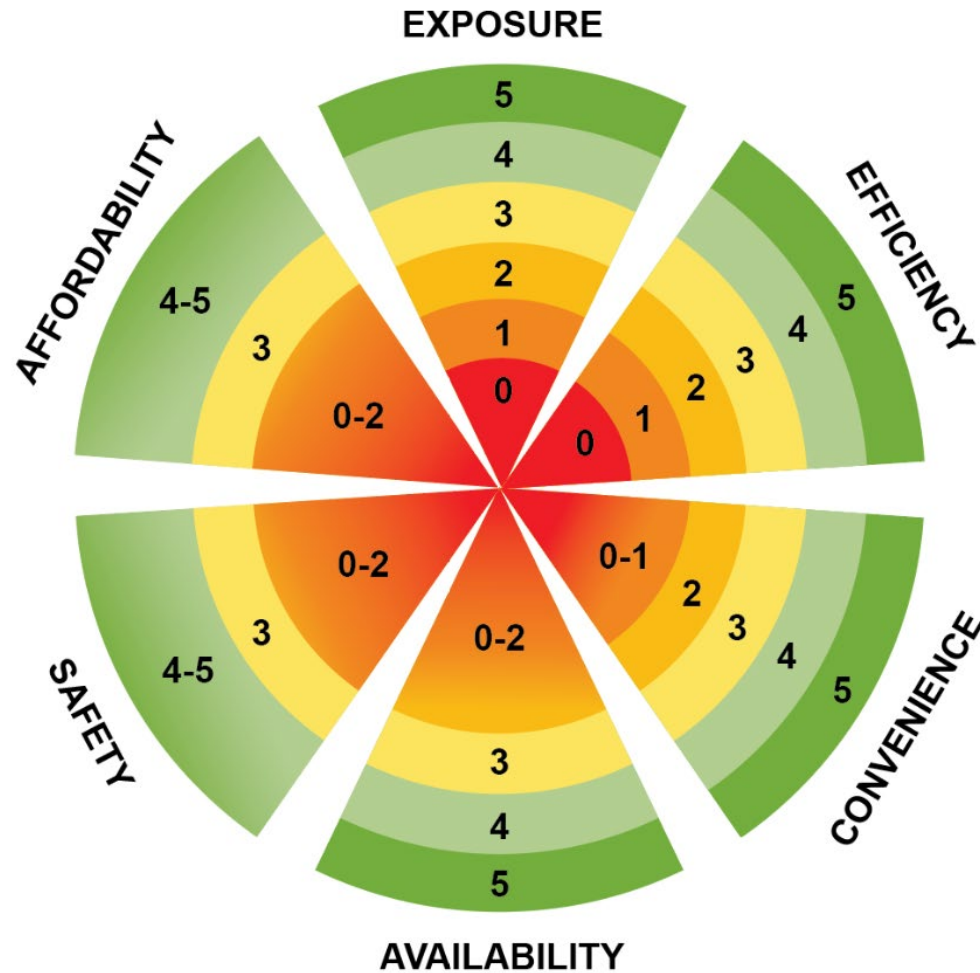
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Access to MECS



Note: “Exposure” considers the contextual factors of ventilation and contact time, in addition to the technical attribute of “emissions.”

WHAT IS “MODERN ENERGY COOKING SERVICES”?



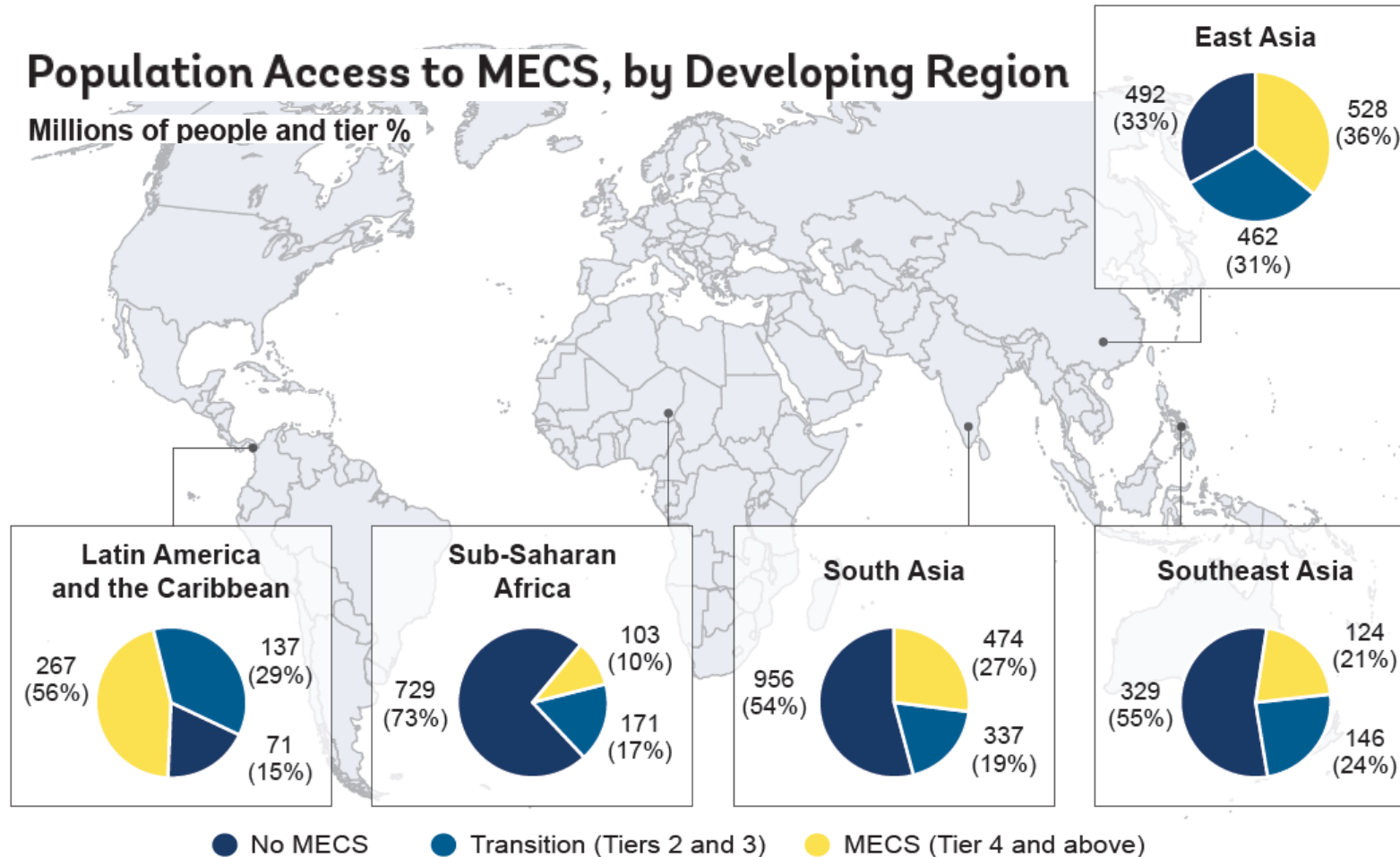
Modern Energy Cooking Services (MECS) is a household context that has met *Tier 4 standards or higher across all six attributes* of the Multi-Tier Framework.

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?

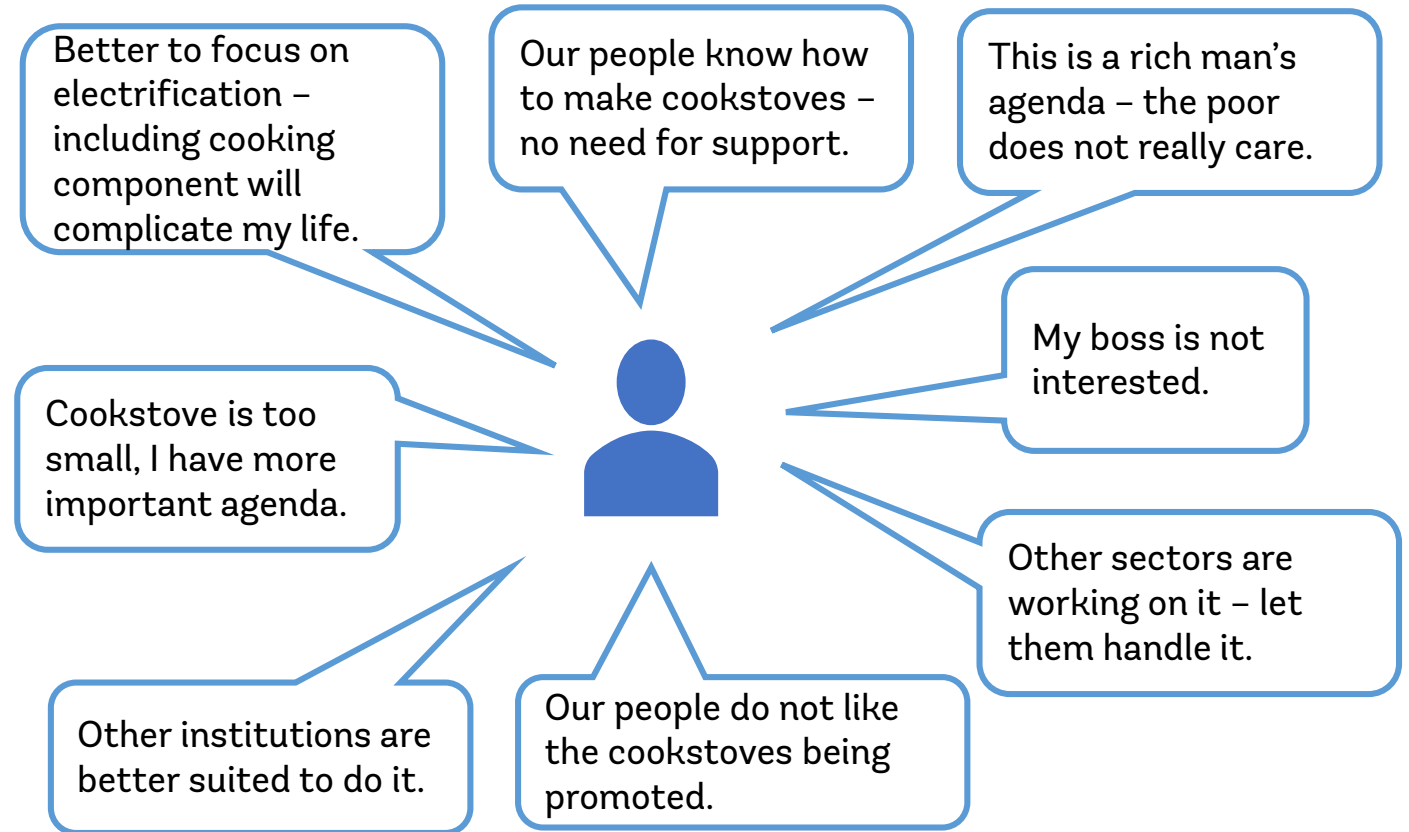
4 billion without Access to MECS:

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



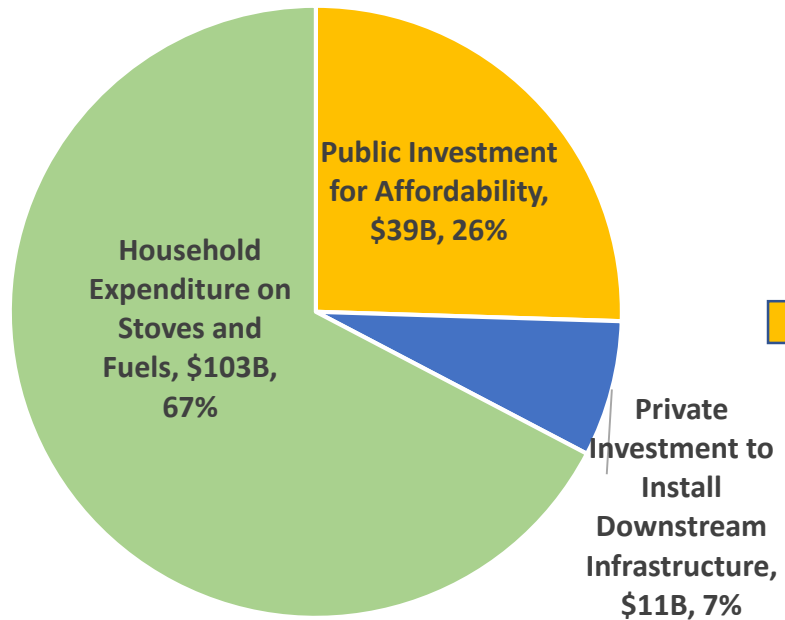
ENCOURAGING TRENDS

- 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

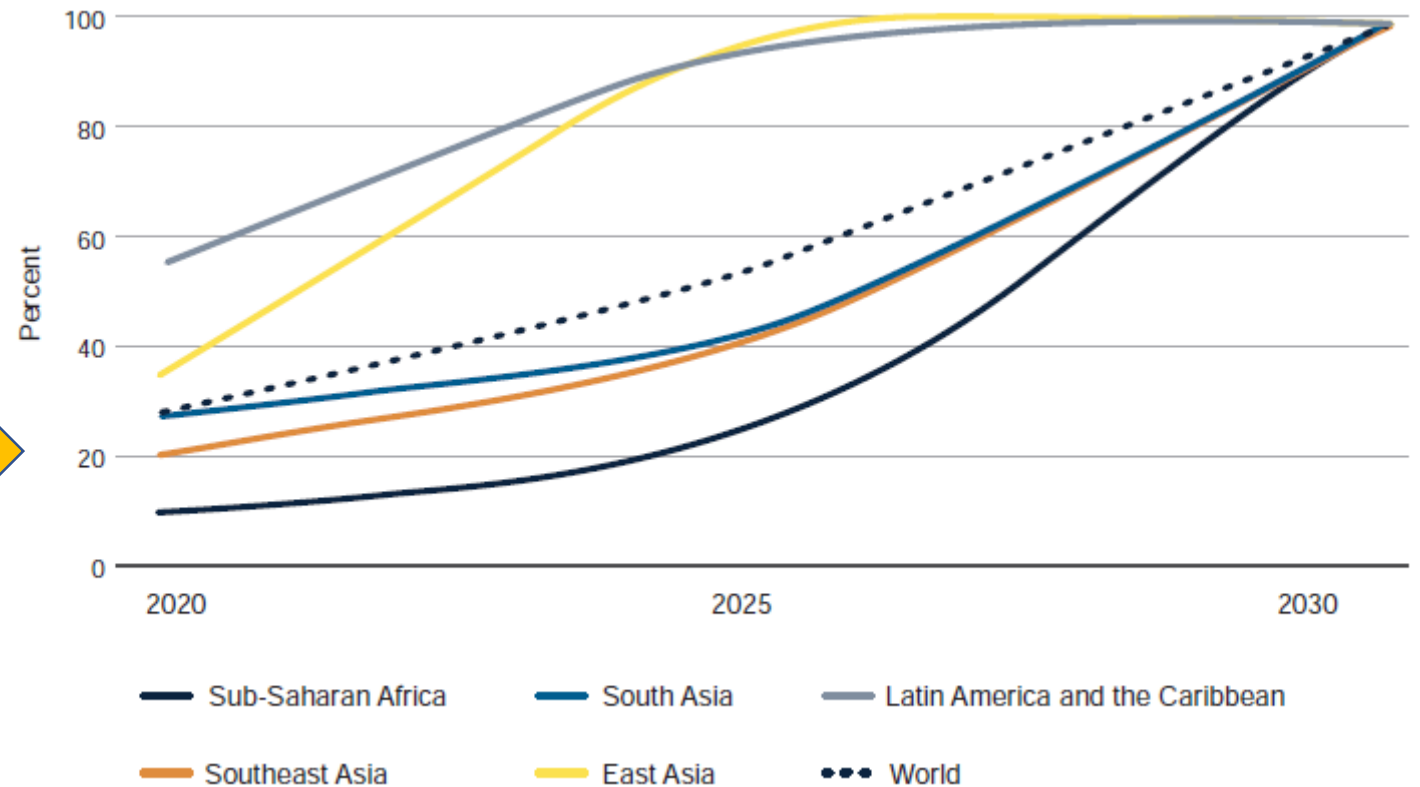


TRANSITION PATHWAY: MECS SCENARIO

Investment Needs: **\$150 billion/year**



MECS Scenario: Regional Access Rates over 10 Years



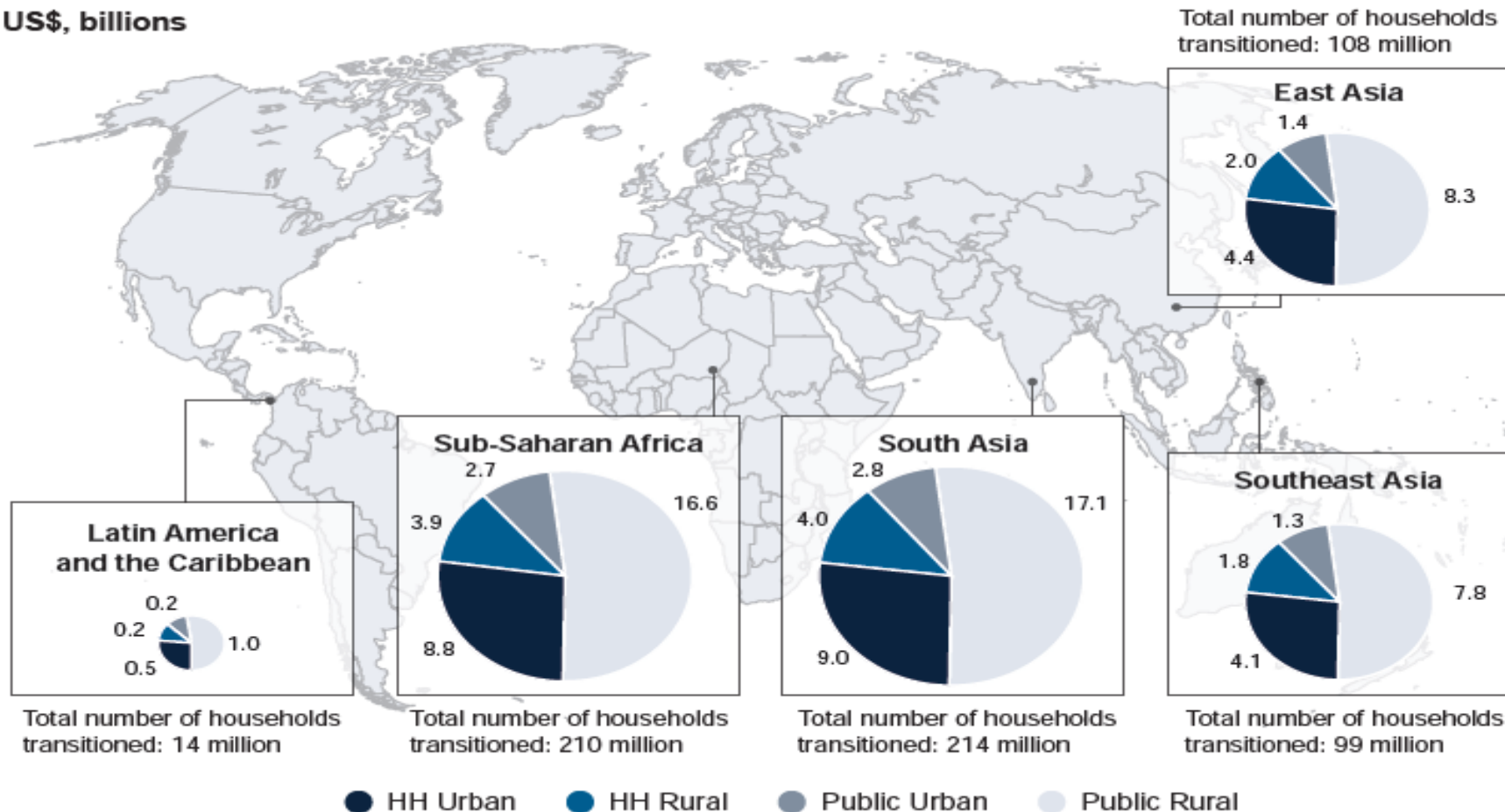
A “**least-cost, best-fit**” approach is needed to reflect users’ needs and local market realities. This means using granular household cooking data as an input for broader national-level energy decision-making - a process that capitalizes on energy-system investments, incentives for clean energy consumption,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

TRANSITION 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



PRIORITY ACTIONS

- 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

Improving the Overall Cooking Ecosystem

