Clean Cooking Alliance
leveraging climate finance to support clean cooking

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Universal access to clean cooking solutions will require a total investment of at least **US $10 billion** annually.

Current investment in clean cooking, ~US$200 million annually, falls critically short:

- The global carbon market was valued at over US$900 billion in 2022 and is expected to grow ~5-fold by 2030.
- The carbon market is a potential gamechanger to fill this gap.

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Global Carbon Market Size by Year\(^1\)

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\(^1\)Carbon Market Year in Review 2020, Refinitiv.
Electric cooking presents a uniquely strong opportunity for carbon finance

• Emerging Internet of Things (IoT) technology enables real-time data collection for improved measurement, reporting, and verification (MRV)

• This metered measurement can yield especially high-quality carbon credits

• Nepal, which has 90% access to electricity mostly generated from hydropower, presents an ideal location for e-cooking projects
Carbon finance represents the single most important funding source for clean cooking enterprises and projects.

- The clean cooking sector could receive up to $12bn per year in funding through Article 6.2.
- Clean cooking is the 7th most common project type for carbon credits issued.
- Clean cooking makes up ~4% of the voluntary carbon market.
Fueling Electric Cooking with Carbon Finance

- Introduce electric cookstoves with real-time data collection for accurate MRV of carbon credits without time-intensive field visits and surveys
- Lower barriers to future carbon programs by providing low-cost, scalable IoT monitoring for high-quality carbon issuance and verification
- Unlock finance to decrease implementation costs and enhance the affordability of electric cookstoves by end users
- Leverage global carbon credit buyer’s network, which is strongly interested in the green nature of Nepal’s energy grid
- Share learnings to help carbon finance project developers replicate and scale the approach
Map of Proposed Local Governments for Fueling Electric Cooking with Carbon Finance project
Thank You!