

Creating a Shared Framework and Roadmap for Adoption for Clean Cooking in India

The Tata Trusts initiated a joint learning program on “Creating a Shared Framework and Roadmap for Adoption for Clean Cooking in India.” This learning program was primarily action research partnered with crucial implementers in the clean cooking sector (TERI, DharmaLife, SEWA, and SG Foundation) and research think tanks (Sambodhi Research and NexLeaf Analytics).

The study aimed to build a shared and comprehensive definition of cookstove adoption across stakeholders. It also aimed to investigate the factors that drive adoption and their contribution to the extent of adoption. The program engaged with various factors involved to collate practical learnings and critical insights at the grassroots level.

Sambodhi was engaged as the lead research partner to conduct a longitudinal study. We adopted a mixed-methods approach using both quantitative and qualitative techniques.

In the longitudinal panel research design, 1280 Industrial control system (ICS) users were selected (320 for each implementation partner). NexLeaf Analytics installed two sensors in the primary ICS and another in the primary Transaction Control System (TCS) in 400 of these 1280 households and collected daily data on cookstove utilization.

Sambodhi conducted field surveys every four months, which involved the administration of quantitative household interview schedules and qualitative tools such as group discussion modules and in-depth interviews with other value-chain stakeholders. Along with these surveys, data from the sensors was also collated fortnightly. The surveys involved a review of these households' LPG record books as well. The sensor data was available in real-time, while the survey data was analyzed and presented to partners during partner forums.