

Zoom into communities across the globe and know the people's attributes, attitudes, and behaviors.

## Key Applications for Energy

### Track progress on Energy Access

Custom energy profiles on current state of energy access, consumption, ability-to-pay with semi-annual updates for optimal scenarios to address dynamic demand.

### Distributed Renewable Energy

Settlement-level current and potential future demand paired with expenditure (\$/sq. km) to select areas best suited for grid extension, viable mini grids sites, and desirable sales regions for offgrid solar solutions.

### Modern Cooking Access

Indicators on access, barriers and preference for cooking solutions by product and service to move households unto modern cooking solutions.

### Gender Inclusion in Energy Access

Advanced research with hundreds of hyperlocal sex-disaggregated indicators on behavior patterns in gender and energy consumption, perception and preferences to reduce the gender access gap.

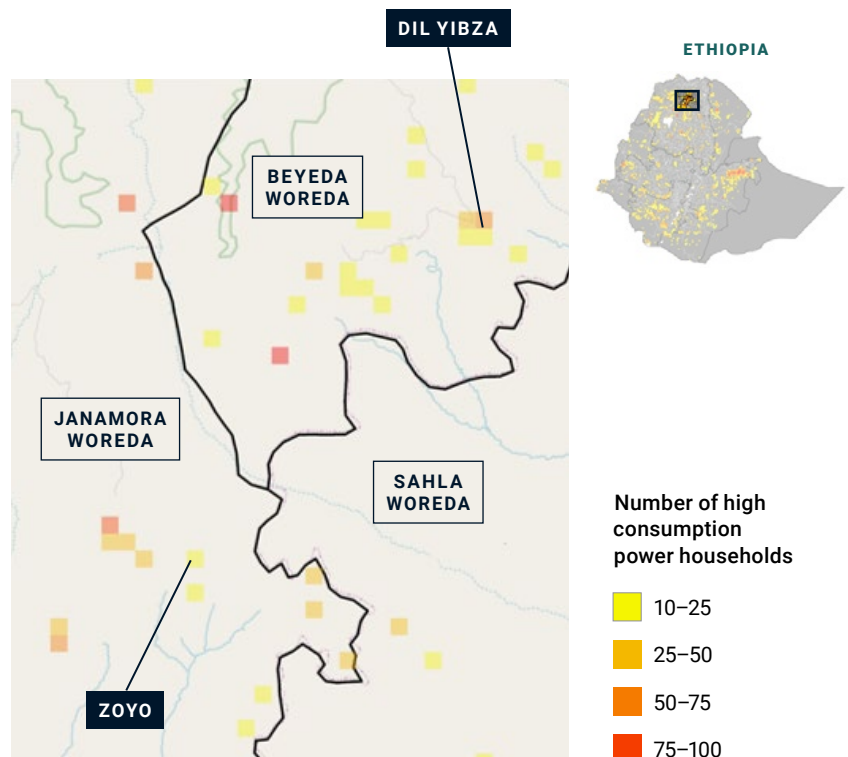
## Analytical Example

### What is the opportunity for distributed renewable energy in rural Ethiopia?

Nationally, about 14.6 million households in Ethiopia rely on lighting sources other than the national grid, or 70.5 million people (67% of Ethiopia's total population). Fourteen percent of these households are classified as having high consumer power.

- » This group has annual discretionary spending above \$660.
- » There are approximately 2 million households in this group.

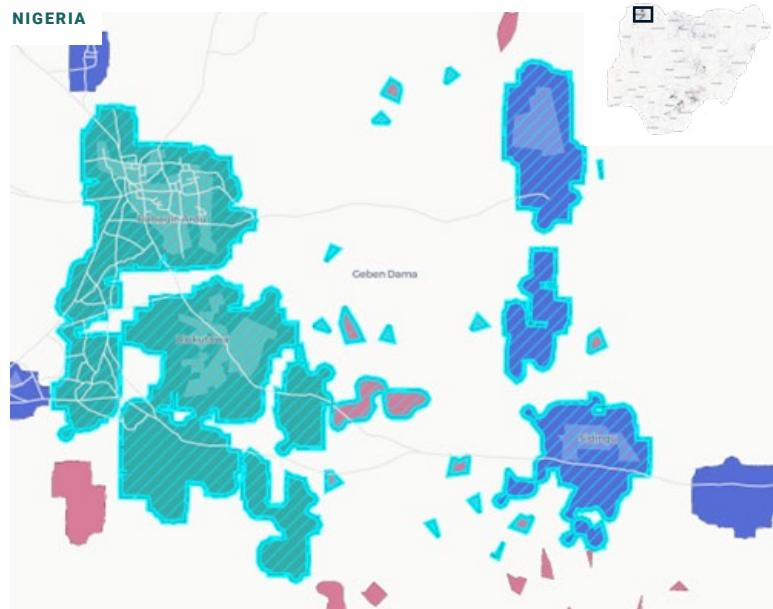
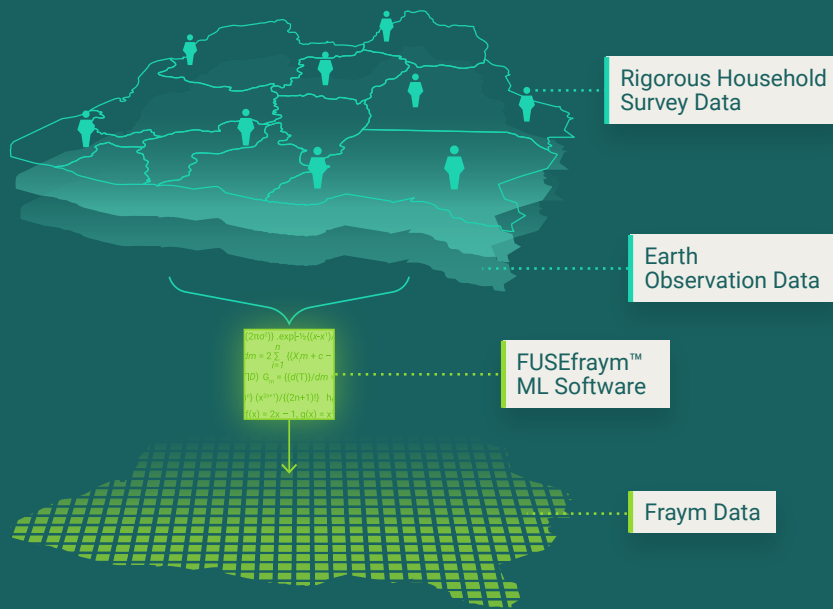
Communities like Dil Yibza and those near Zoyo are potential markets for mini-grids. These communities are beyond 10 kilometers from the medium voltage network and have high concentrations of high consumption power households.



# Transforming ordinary household surveys into census-like spatial data.

## FRAYM'S UNIQUE VALUE

- » Neighborhood level resolution
- » Standardized global data
- » Trend monitoring
- » Flexible integrations



2030 Least Cost Technology

- Grid
- MG
- SHS

## Fraym Partners with SEforAll to Support Energy Access in Nigeria

In 2021, Fraym worked with SEforALL under its Universal Integrated Energy Planning programme, to support the Government of Nigeria in developing a best-in-class IEP Tool ([nigeria-iep.sdq7energyplanning.org](http://nigeria-iep.sdq7energyplanning.org)) with enriched data for Nigeria to deliver actionable market intelligence for the Nigerian government and energy sector stakeholders.

The platform developed using Fraym's advanced technology and research brings together several layers of data to help Nigerian policy makers and practitioners make more informed decisions about their strategies and operations to advance energy access in the country.

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