A2EI Data

Thank you for showing interest in our data and our efforts here at the A2EI!

We are happy to provide you with our latest data releases from our Solar Killed the Generator Star Project in Nigeria, our clean cooking pilots, and our research into productive-use appliances in East Africa. Please find a detailed summary of each dataset and latest release below.

Please drop us a line via datadatadata@a2ei.org if you have any comments or questions, or in case you would like to unsubscribe from receiving updates.

Most recent data releases SKGS

06.04.2022 The A2EI set out to provide the sector with an open-source hardware solar business system. Two years later, we have not only made the solar generator available, but sold over 1,000 systems. Every solar generator is sending real time data on consumption and system state, which allows the A2EI to share millions of data points with the sector as open-source data.

Please download our SKGS Project Update and Data Release Report here.

Download the associated data and readme here.

29.04.2020 To date, we have over 215 smart meters (and counting) connected to small scale generators and grids in Nigeria, located within multiple markets across several regions.

You can download the raw data, the meter list as well as the README here.

Find some brief release notes here.

Please find the Executive Summary here.

02.06.2020 Please find our analysis of generator usage during COVID-19 here.

Latest data releases Clean Cooking

15.11.2021 In a new comprehensive data release report, the A2EI analyses the entire data collected by our smart meters monitoring the usage of electric pressure cookers (EPCs) by 100 pilot users in rural Tanzania from March 2020 to May 2021.

Please download the data release report here.

Download the data frames here.

Download the Readme here.

16.07.2021 The A2EI has been part of a feasibility study to pave the way for mass distribution of electric hotplates to rural households in Malawi. Please download the Study of Hotplate & Grid Use in Rural Malawi here and access the associated data here.

Latest data releases Productive Use

14.07.2021 We are sharing our learnings of successful ventures in the agricultural productive use appliance sector by our first "Entrepreneur in Residence", Imara Tech, and are proposing a way forward that we believe could increase the likelihood for successful product development.

Download the summary of learnings here.

21.09.2020 The Access to Energy Institute has developed a systematic methodology and published a report to jointly discuss the question what makes or breaks a successful solar-powered productive-use appliance - and to help find solutions for successful adoption and scaling.

Download the report here.

Please find the associated data and materials here.

Your feedback is very warmly welcomed. We believe that sharing our data is paramount to unlocking further entrepreneurship and engineering, which in turn will help us crack the many nuts of providing a reliable, clean and affordable universal energy supply. In our efforts to deliver meaningful data, we need your feedback in order to collect further data points and to make adjustments to our current measuring practices.

For now, we wish you a wonderful day...and cheerful data crunching!

All the best,
your A2EI Team

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