

Activity program

VISUALISATION OF KEY DATA AND DECISION (VKDD)-MAKING TOOL

A QUICK-START GUIDE

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Introduction

Today, many existing energy models - such as OSeMOSYS or the Clean Cooking Explorer - are powerful but complex, requiring users to have assumptions about factors related to clean cooking interventions to hand. These assumptions can be difficult to provide, especially for stakeholders new to clean cooking.

The VKDD Tool addresses this by offering a simple, user-friendly way to test and refine key assumptions in a programme's early stages. It is developed primarily for policymakers, and aims to inform decision making by outlining the benefits of switching to modern cooking solutions, in terms of cost and time savings to households, health benefits, and climate impact.

Getting Started

To get started:

1. Ensure you have an up-to-date version of Microsoft Excel installed.
2. Save the file locally to your computer.
3. Enable macros when opening the file.

And voila! You are ready to get started in adding your programme's data following the prompts in the tool.



Cost savings



Time savings



Health benefits



Emission reductions

Calculation Symbols

On the left-hand column of the User Inputs tab, you will find a set of symbols which denote which outcomes a given question is being used to help calculate. The symbols are shown above.

Navigation Overview

The three blue-coloured tabs are the main tabs for you to engage with:

- Dashboard
- User Inputs
- Data Repository

There are also five tabs hidden from view that contain the calculations that convert the inputs to the outputs on the Dashboard. You should not to edit the cells in these tabs. They are locked, but can be unlocked without a password.

Dashboard Tab

This is the tab where you find outputs about your programme.

A summary of the main inputs can be found on the top left of the dashboard. The four main outputs are shown in the top right of the dashboard.

Further data outputs are provided on cost savings, emission reductions, and time & health benefits.

User Inputs Tab

This is the tab where you enter information about your programme. Follow the prompts sequentially from top to bottom, ensuring that you fill in all the yellow cells.

You can overwrite data in the dark blue cells if necessary. Do not alter lilac or grey cells: these contain essential calculations and formulas.

Data Repository Tab

The tool currently contains data for Bangladesh, Bhutan, Cambodia, Cameroon, Ethiopia, Ghana, India, Kenya, Malawi, Myanmar, Nepal, Nigeria, Rwanda, Tanzania, Uganda, and Zambia. New data added to the Repository will automatically feed through to the calculations once they are added.

1. Adding Rows: New rows can be added at the bottom of the table, ensuring that colour-coding rules are maintained.
2. Filtering and Sorting: You can filter and sort the sheet without affecting other linked sheets.
3. Deleting Data: Avoid deleting existing data unless you are certain it is inaccurate or want to remove it from the tool's lookup options.

Saving and Sharing

On the Dashboard tab you can export the main data inputs and outputs by selecting the 'Export to Excel' button (circled in the picture below).

The outputs include 18 parameters covering cost outputs, time savings, health impacts and emissions.

This output should help you to compare refinements within a particular project, or to consistently compare completely separate countries and projects.

