MSWDST Viz-Tool

User Guide

# Setup

## Input Files

To run the MSWDST Viz-Tool, input files are needed. These files will be the .xlsx output from the MSWDST.



* Example input file:

## Unzipped Tool

To run the MSWDST Viz-Tool, follow the directions below.

* Open the .zip file named “MSWDST.zip” and save to a location on your computer.
* Unzip the file.
* Open the unzipped directory named “MSWDST”
* Double click the file named “runMSWDST.bat” to start the application.

# Usage

## Main

To begin using the MSWDST Viz-Tool, follow the directions below.

* Select a result type: Costs, Mass Flows, Life Cycle Inventory (LCI) or Life Cycle Assessment (LCIA)
* Select a plot type: Bar Chart, Heat Map or Sankey Diagram
  + Note: Sankey Diagrams can only be displayed if Mass Flows is selected
  + Note: Heat Maps can be displayed for all result types except for Mass Flows
* Choose input files (minimum of 1 file, maximum of 10 files)
* Select Draw Plot

## Bar Charts

Once a bar chart has been built:

* Select a row to build a new bar chart based on the data in the selected row.
* Click the export button to export the bar chart(s) to an excel file along with the data.
  + If more than 1 input file was selected, select whether to export all scenarios or just the current scenario.

## Heat Maps

Once a heat map has been built:

* Select the Choose a color drop down list to view other color combination options
* Select the Normalize by drop down list to view other normalization options
* Click the export button to export the heat map to an excel file
  + If more than 1 input file was selected, select whether to export all scenarios or just the current scenario

If more than 1 input file was selected

* Select the Choose a column drop down list to view other column comparison options

## Sankey Diagrams

Once a Sankey diagram has been built:

* Note: Only the first input file will be used to build the Sankey diagram
* Click and drag nodes on the diagram to see all flows
* Hover over each material node to view the lower level materials included
* Select the Material drop down list to view other material options to plot
  + If a material is selected, use the second drop down list that is populated to view any lower level materials available to plot.
* Select the export button to export the Sankey diagram to an excel file along with the data.