**INSTALLATION INSTRUCTIONS**

1. Unzip/Extract downloaded "MARS.zip" File to a Folder
2. Make sure Internet is working
3. Make sure Excel is closed
4. Now, Run install.vbs

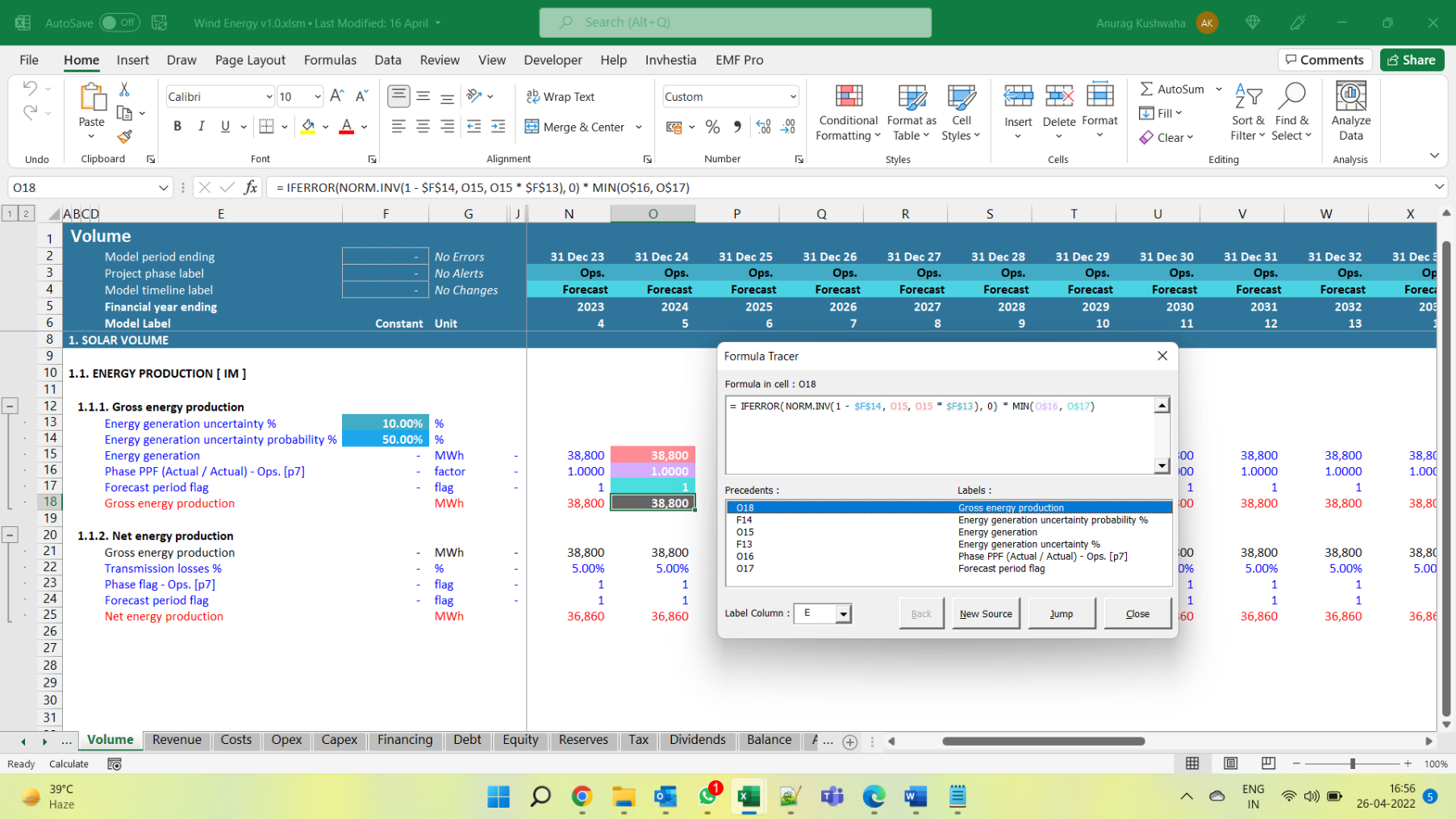
**ABOUT THE TOOLS**

1. **Trace Formula**

This addin can trace any precedents of a formula in an interactive way. Using the addin it is possible to trace the source of any formula to its base input.

Features:

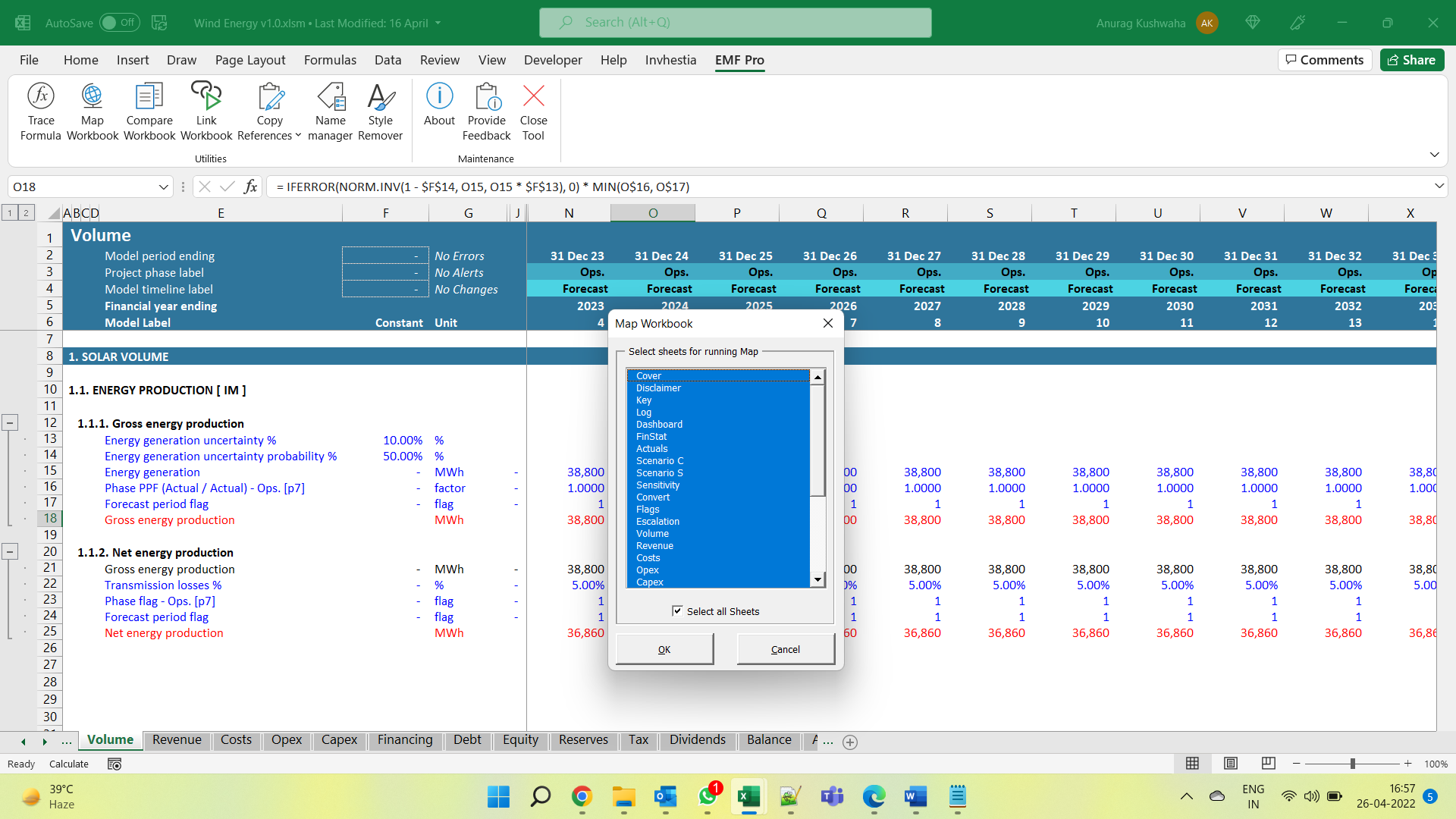
1. Traces any formula with the ability to drill down to precedent’s precedent by clicking on the cell reference in formula bar
2. List of all precedents are listed and can be traversed through up & down arrow keys
3. **Double clicking** on a precedent will change the source to the precedent cell clicked
4. Previous source can be traced back by clicking on **Back** button
5. **Jump** Button takes to the current source, whereas **New Source** will start tracing the active cell. **Close** or **Cancel** will take to the first source cell traced.

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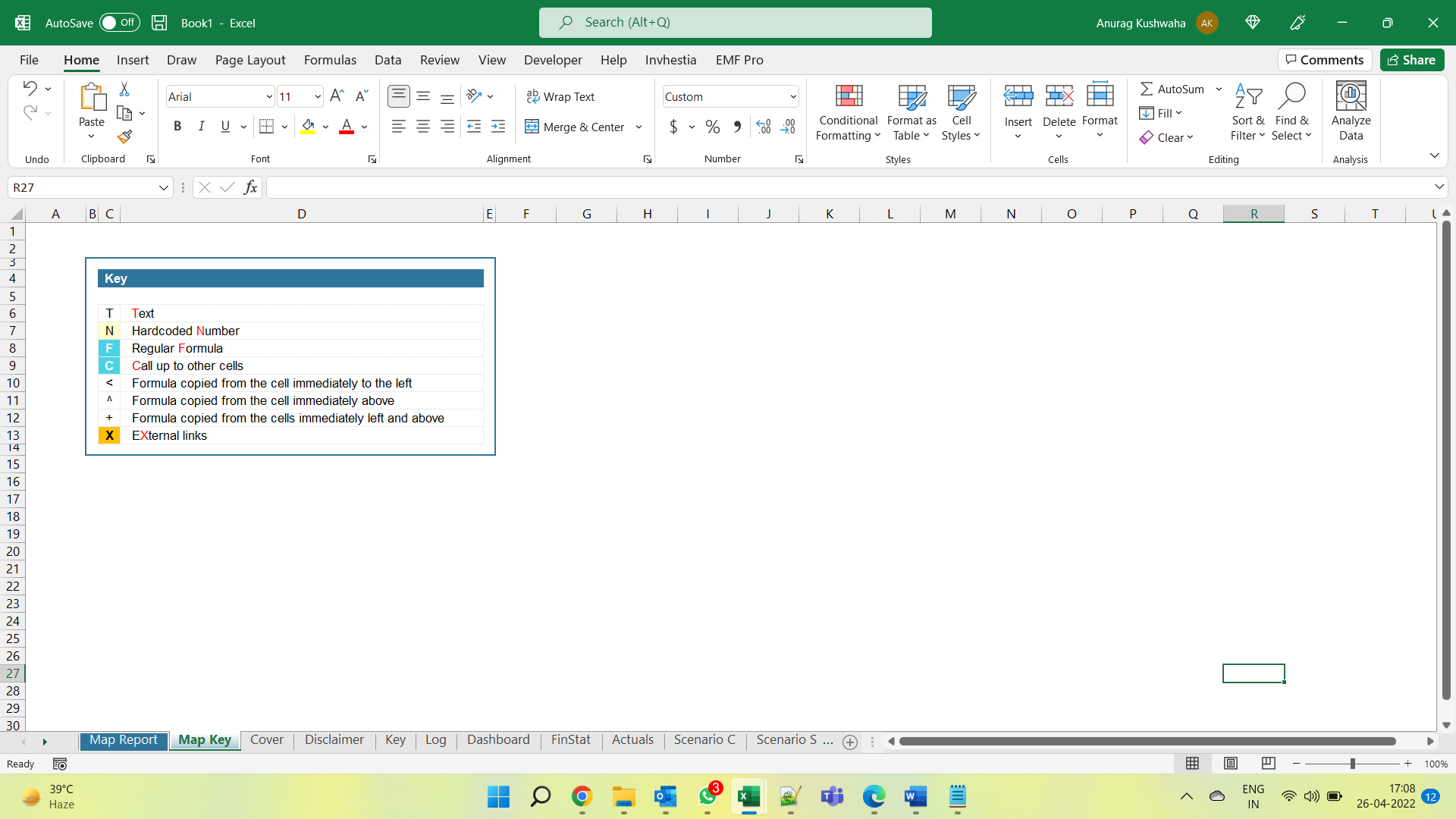
1. **Map Workbook**

This creates a map of the workbook such that unique formulas are easily identifiable. Map is considered gold standard in finding out formula inconsistencies in the workbook.

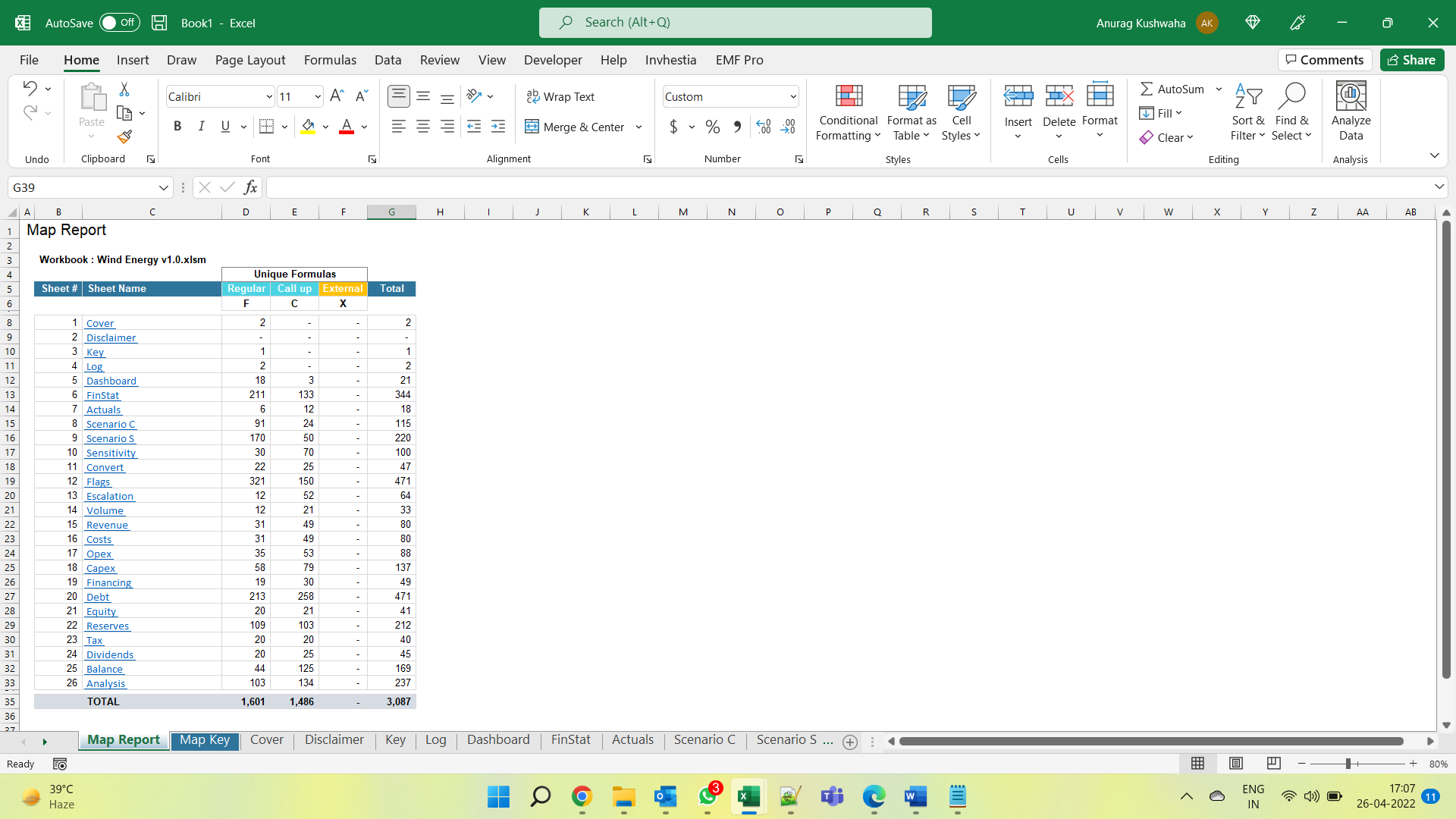
1. Map can be run either in the whole of workbook or specific sheets which can be selected in the listbox

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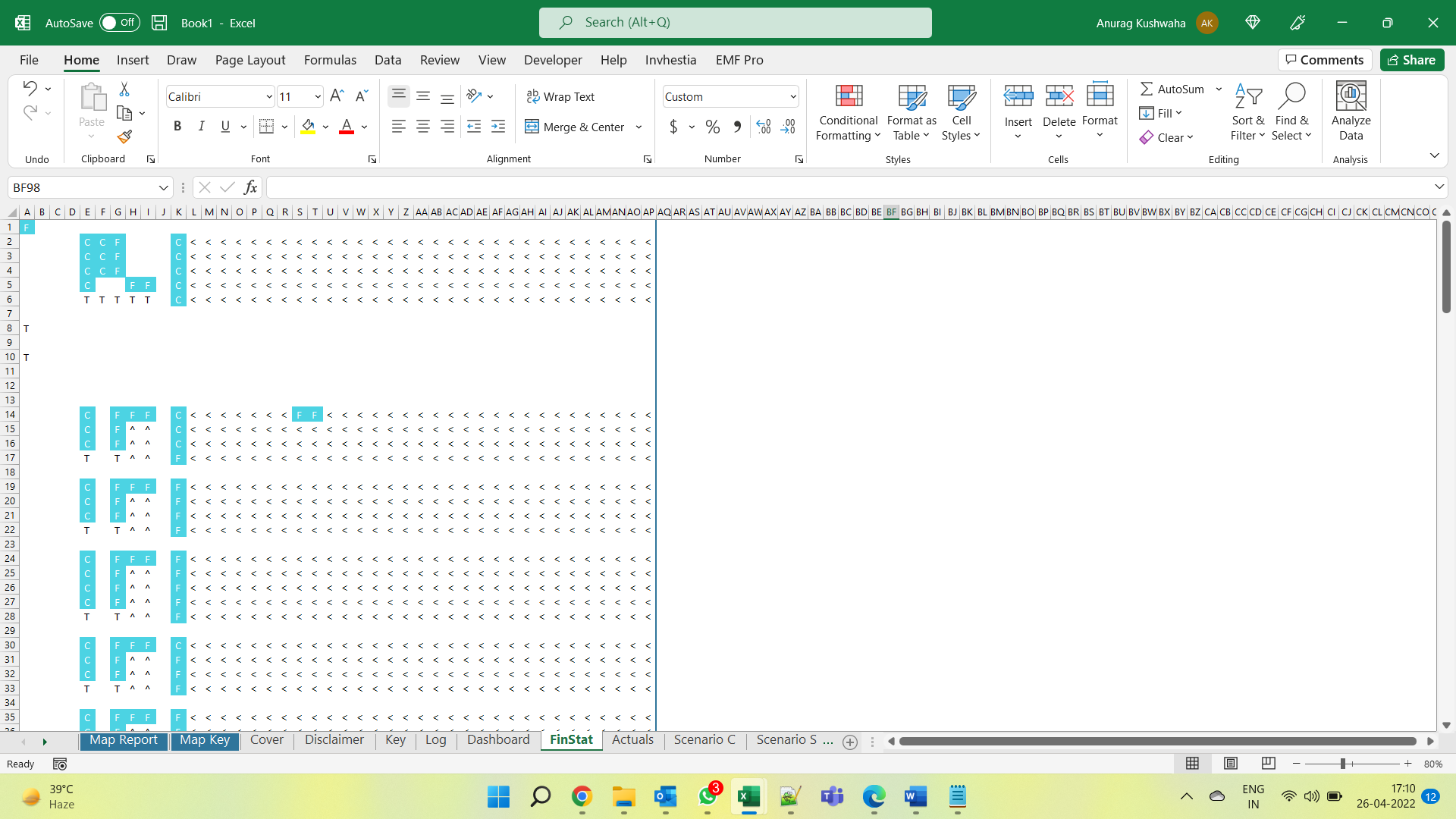
1. The unique formula identified as shaded in “Cyan” for F, C, and X



1. A Map Report is generated that mentions all unique formulas per sheet



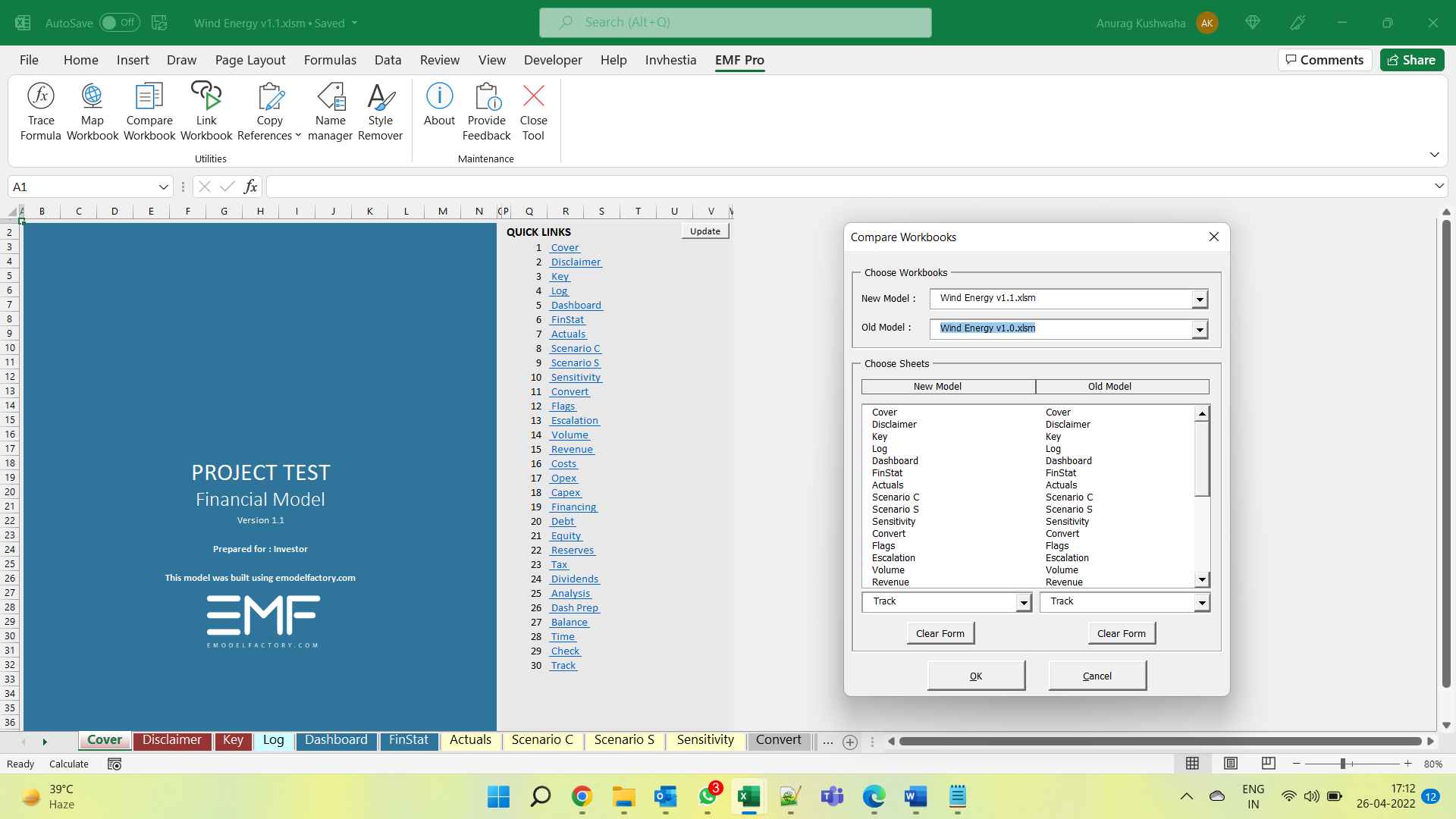
1. The Map is generated for each sheet, and any inconsistency is easily identifiable within the consistent columns with the change in cell color.



1. Any unnecessary values / formula outside the working columns or within hidden columns / rows can be recognised by this file
2. **Compare Workbook**

Using Compare utility, any two version of the workbook can be compared against each other to identify changes in cell formula or inputs.

1. Using the dialog box, choose New workbook and Old Workbook. All sheets will be listed and in case of sheet name change, the individual sheet can be selected from the dropdown



1. Compare report is generated for unique formula changes along with other changes separately



1. All changes are reported in Notes\_<Sheet Name> tabs



1. A Map sheet is also prepared highlighted changed cells in red



1. **Name Manager**

This name manager utility has been designed to identify hidden named ranges and delete them.

1. All hidden named ranges can be selected all at once using **Select hidden** button
2. These hidden named ranges can be made visible to excel’s name manager by clicking on **Unhide** button and vice-versa using **Hide** button
3. The selected named ranges can be deleted if unnecessary by clicking on **Delete** button

A screenshot of a computer

Description automatically generated with medium confidence

1. **Style Remover**

Using this utility unnecessary / unused style in a workbook can be deleted very easily. If a workbook has too many styles, the workbook becomes different to operate and hangs quite often.

1. This also provides a list of unused styles by clicking on **Get Used Status**
2. The occurrences of the listed styles are reported under **Used count** heading, and any unused style can be selected by **Select Unused** button and subsequently deleted using **Delete** button

A screenshot of a computer

Description automatically generated with medium confidence

1. **Link Workbook**This utility is helpful for navigating between two similar spreadsheets. Extremely useful for switching between MAP file and Workbook or between any two versions of the file.  
   a. To make it work, make sure the two workbooks to be linked should be open,  
   b. Click on **Link Workbook** and select the names of two workbooks, order doesn’t matter.  
   c. Once linked, now **double clicking on any cell** will take you to the same reference in the other model and vice-versa
2. **Copy References**Using Copy References you can copy cell addresses and paste any where else you require. This is extremely helpful when preparing Notes / Reports where cell addresses needs to be mentioned. So instead of writing cell addresses manually now you always can use this utility  
   a. Click on **Include Sheet Name** or **Exclude Sheet Name** to copy cell address to clip board.  
   b. Press Ctrl + V (Paste operation) to paste to your target location, could be word file, notepad, excel, etc.  
     
   These can also be triggered using Shortcut keys:  
   **Ctrl + Shift + K** for Include Sheet Name  
   **Shift + K** for Exclude Sheet Name