**Guide to the hybrid dynamic stock model for washing machine reuse**

***Titel:*** *Does increased circularity lead to environmental sustainability? The case of washing machine reuse in Germany (submitted to the Journal of Industrial Ecology)*

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This document provides a guide to the Python code of the hybrid dynamic stock model for washing machine reuse. The Github repository contains three subfolders:

• A folder **‘Data’**, where the Excel workbook ‘Input\_DSMWM.xlsx’ with all parameters is located

• A folder **‘Results’**, which is empty and where the script stores the model results

• A folder **‘Script’**, which contains the model script ‘DSM\_WM\_reuse.py’.

The model script is a standalone script, which apart from standard Python modules does not need further software.To run the hybrid dynamic stock model for a specific parameter constellation, one needs to adapt the respective parameters in the datafile.

The script will then create a subfolder in the results folder with the name structure DateStamp\_Timestamp. In this folder, a copy of the script, and the model results as .xls files are stored.

**Note:** The hybrid dynamic stock model script can be run and modified for research and teaching purposes. No additional support is provided by the authors. Check <https://github.com/sandraboldoczki/Hybrid-Dynamic-stock-model-washing-machine-reuse> for updates on the hybrid dynamic stock model code.