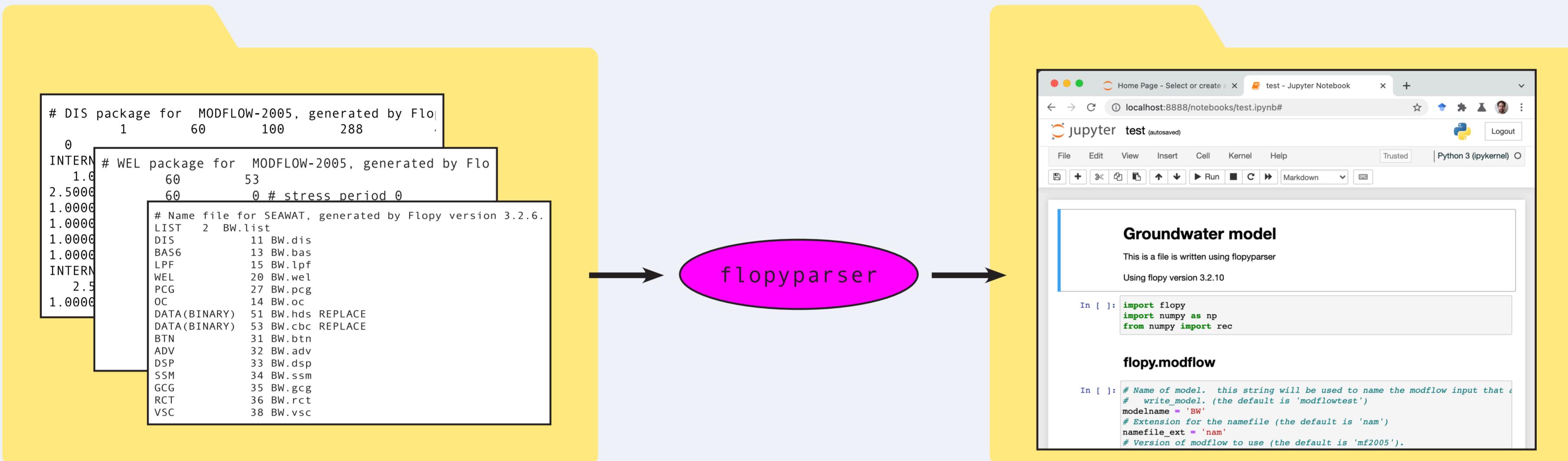


# Floyparser: Convert MODFLOW input files to Python

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## Input MODFLOW files:

- Name file
- WEL package input file
- LPF package input file
- RCT package input file
- SSM package input file
- VDF package input file
- ...

## Run:

- Directly from the commandline
- As function in Python

## Output:

- Jupyter notebook (.ipynb)
- Python script (.py)
- PDF (.pdf)
- LaTeX (.tex)
- HTML (.html)
- Markdown (.md)

## Is this for you?

Are you using Python scripts to model groundwater with MODFLOW? This software might help! Floyparser uses MODFLOW input files to generate a neat Python script to interface with MODFLOW. The generated Python script contains all the Flopy code to write and run the MODFLOW input files. All packages and parameters are explicitly defined and a parameter description is provided from the flopy documentation. Use cases include:

- Collaborate with others
- Publish your groundwater model
- Clean up your messy Python code
- Migrate from a GUI, such as ModelMuse and Visual MODFLOW, to Python.

## Try it out!

Currently MF2005, MT3D, and SEAWAT are fully supported, and support for MODFLOW 6 can be expected in the near future. The software is continuously tested to ensure that the generated Python scripts are valid.

Floyparser is a wrapper around the load functions of flopy, it therefore requires little maintenance and directly supports all packages that are supported by flopy. Ideas for new features are highly appreciated!

Repository: [github.com/bdestombe/python-flopy-parser](https://github.com/bdestombe/python-flopy-parser)  
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