The most straightforward (and recommended) way of installing and running S-Grid and its dependencies is to use Miniconda - a lightweight distribution of Python and a package management system. Miniconda allows you to install an appropriate version of Python and the required libraries without affecting other installed software.

To install and run using Miniconda, follow these steps:

1. Download Miniconda for Windows version for python 3 from <https://conda.io/miniconda.html>.
2. Install using recommended settings
3. Open the anaconda prompt (search for it from the start menu)
4. Create a new conda environment using “conda create –name sgrid”
5. Switch to the new conda environment using “conda activate s
6. Execute the following commands on the command prompt to install the required packages:
   1. conda install numpy
   2. conda install scipy
   3. conda install cloudpickle
   4. conda install gdal
   5. conda install shapely
   6. conda install matplotlib
7. The easiest way to run the Python scripts for S-Grid is from the anaconda prompt e.g. using “python buildModel.py”
8. To run the scripts from a normal command prompt you’ll need to make sure you’re calling python from the correct environment e.g. using “C:\Users\[your username]\miniconda3\envs\sgrid\python buildModel.py”, or set your Path environment variable.