## Getting Started (compiling):

The first step is to choose your scripting language and compile/configure the code. You will need to have the following installed:

- a C++ compiler (g++, clang++, msvc, etc) + cmake.
- either: MATLAB, or Python3 (numpy, scipy, pathlib) + Paraview.

```
MATLAB (in cmd window):

cd jigsaw-geo-tutorial-master
cd jigsaw-matlab

compile;

(sudo if needed...)
python3 setup.py build_external
python3 setup.py install

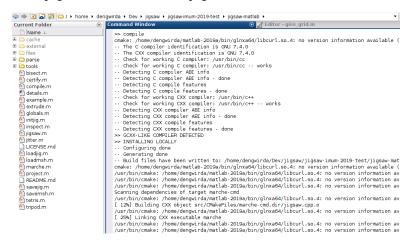
(will run cmake script, etc)

(will run cmake script, etc)
```

If you have a different version of JIGSAW already installed, please install from github.com/dengwirda/jigsaw-geo-tutorial nonetheless — this is a new (beta) release that contains updated functionality!

## Getting Started (compiling):

In MATLAB, the installation should run via cmake, creating a set of executables in ../jigsaw-matlab/external/jigsaw/bin:



## Getting Started (compiling):

In Python, the installation should run via cmake, creating a set of executables in ../jigsaw-python/jigsawpy/bin\_:

```
dengwirda@dengwirda:~/Dev/jigsaw/jigsaw-imum-2019-test/jigsaw-python$ python3 se
tup.pv build external
running build external
cmake config.
-- The C compiler identification is GNU 7.4.0
- The CXX compiler identification is GNU 7.4.0
- Check for working C compiler: /usr/bin/cc
- Check for working C compiler: /usr/bin/cc -- works
- Detecting C compiler ABI info
- Detecting C compiler ABI info - done
- Detecting C compile features
- Detecting C compile features - done
-- Check for working CXX compiler: /usr/bin/c++
 - Check for working CXX compiler: /usr/bin/c++ -- works
- Detecting CXX compiler ABI info
 - Detecting CXX compiler ABI info - done
 - Detecting CXX compile features
 - Detecting CXX compile features - done
SCXX-LIKE COMPILER DETECTED
>> INSTALLING LOCALLY

    Configuring done

 - Generating done
-- Build files have been written to: /home/dengwirda/Dev/jigsaw/jigsaw-imum-2019
test/jigsaw-python/external/jigsaw/tmp
cmake complie
Scanning dependencies of target tripod-cmd
12%] Building CXX object src/CMakeFiles/tripod-cmd.dir/jigsaw.cpp.o
25%] Linking CXX executable tripod
 25%] Built target tripod-cmd
Scanning dependencies of target jigsaw-lib
 37%] Building CXX object src/CMakeFiles/jigsaw-lib.dir/jigsaw.cpp.o
 50%] Linking CXX shared library libitgsaw.so
 50%1 Built target jigsaw-lib
 canning dependencies of target jigsaw-cmd
```

jigsawpy is then installed as a 'normal' Python package.

