

ERTAC EGU Projection Tool Installation

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Requirement/Recommendation

Hardware

4 GB of RAM and 1TB HDD for CONUS runs

Software

Python Version 2.6 or higher

<https://www.python.org/downloads/release/python-279>

* You might already have Python installed if you have ArcGIS or other applications using it.

ERTAC EGU Projection Code Version 1.01

http://www.marama.org/images/stories/documents/ertac_egu_tool.v1.01.zip

ERTAC EGU Projection Tool Tutorial Data

[ftp://thomas-mifflin.dreamhost.com/MANE-VU/ERTAC/EGU/Training201504/Installation Package/REG3-2018.zip](ftp://thomas-mifflin.dreamhost.com/MANE-VU/ERTAC/EGU/Training201504/Installation%20Package/REG3-2018.zip)

Username: newmanevu1

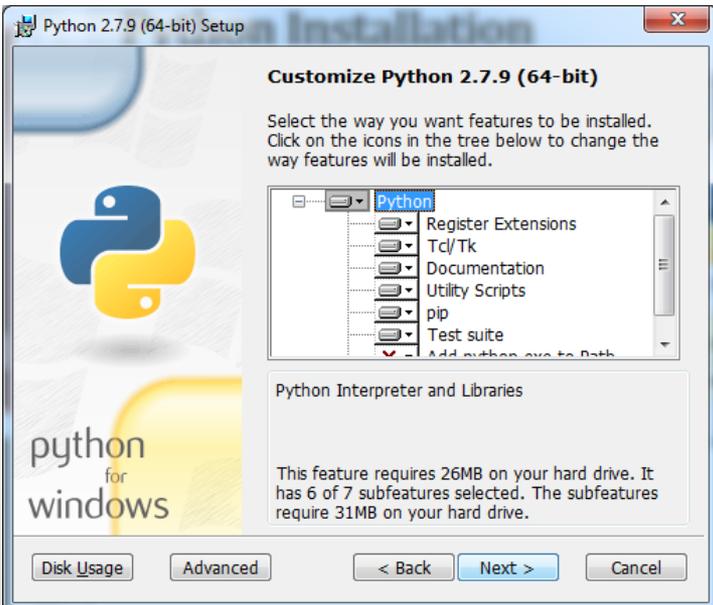
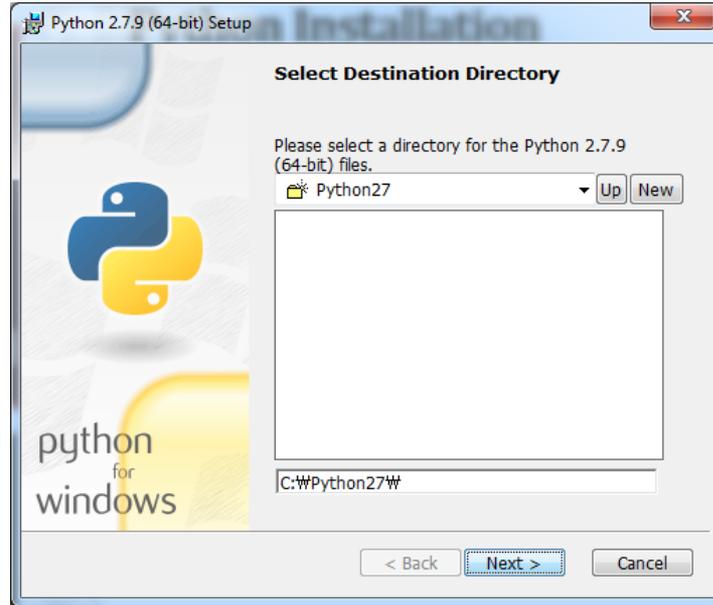
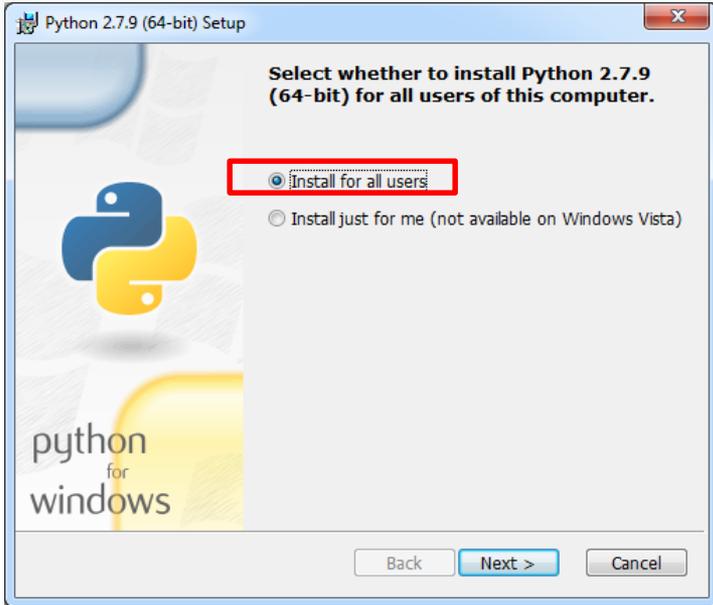
Password: exchange

Show of Hands

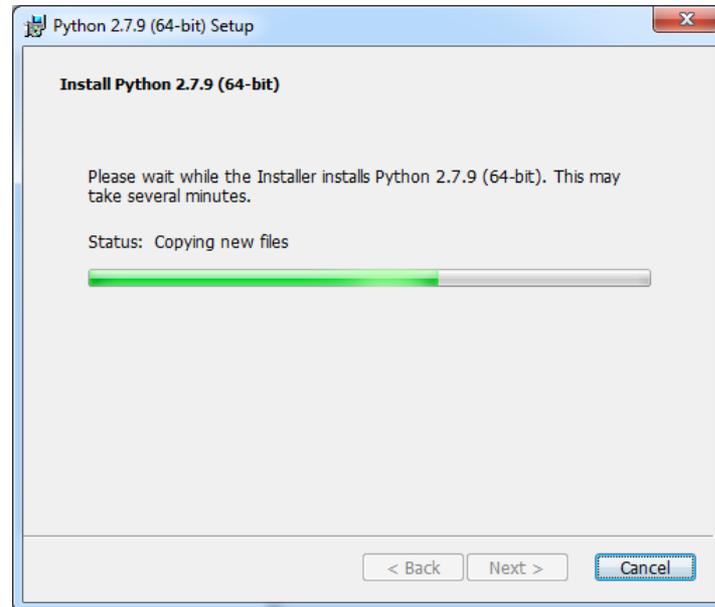
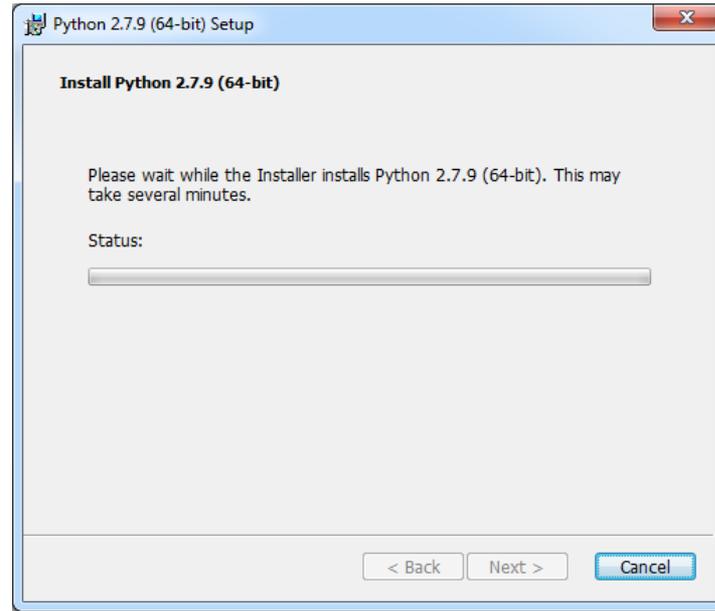
- Who has already installed
 - Python?
 - ERTAC EGU Source Code?



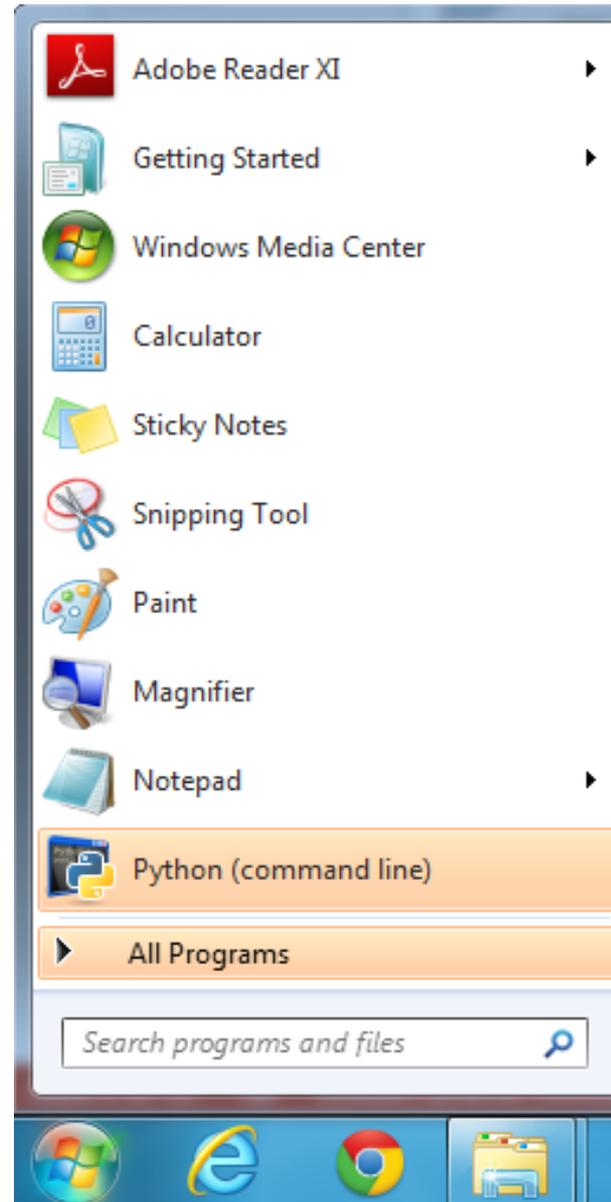
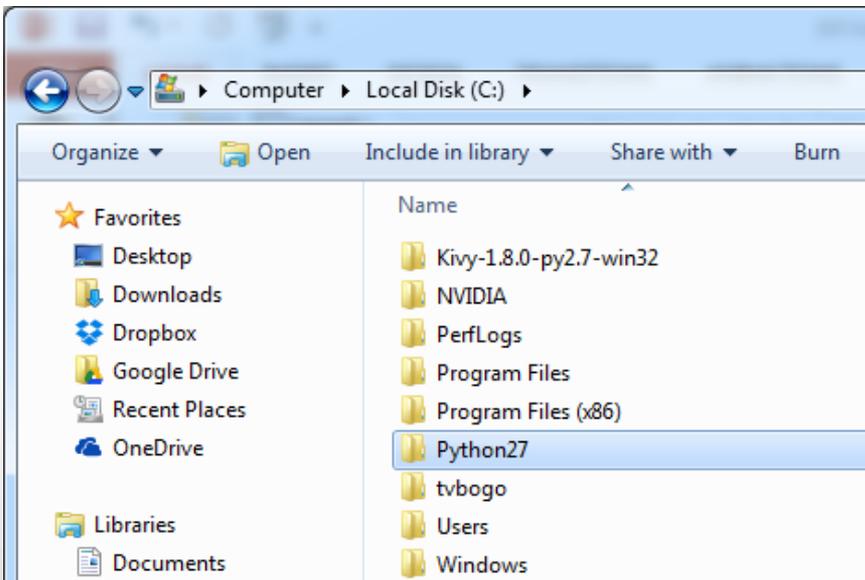
Python Installation



Python Installation



Python Installation



ERTAC EGU Projection Code and Tutorial Data

Copy source codes and tutorial dataset

Copy ERTAC EGU code v1.01 into the following directory:

`C:\ertac_egu\1.01`

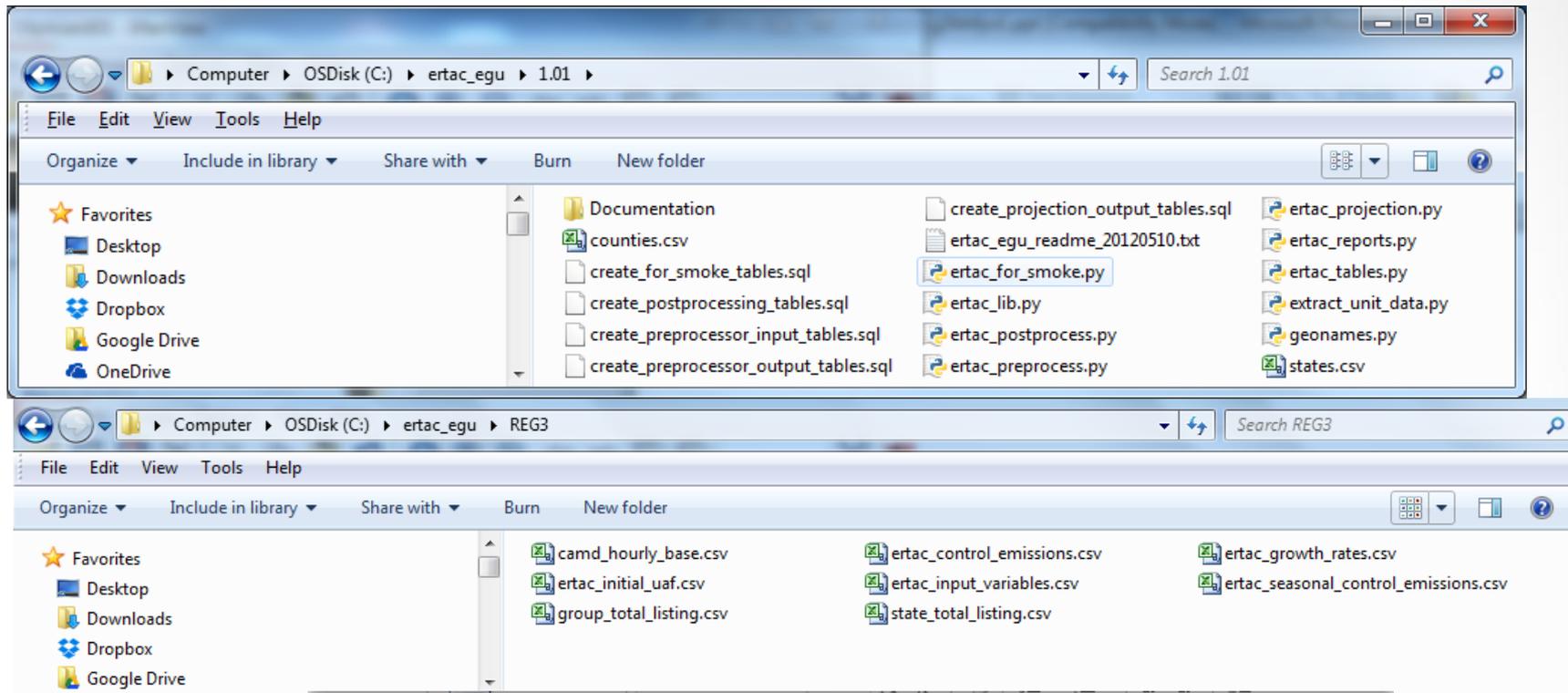
Copy the tutorial dataset into the following:

`C:\ertac_egu\REG3`

Test if the installation is done correctly:

- Open the command window
 - “Start” => type cmd
 - Type `cd C:\ertac_egu\REG3`
 - Type `C:\ertac_egu\1.01\ertac_preprocess.py -h`
 - This should return the “help” menu of the code.

Successful Installation



```
Administrator: C:\windows\system32\cmd.exe

C:\ertac_egu\REG3>"C:\ertac_egu\1.02.2\ertac_preprocess.py" -h
Usage: C:\ertac_egu\1.02.2\ertac_preprocess.py [OPTION]...
  -h, --help           print this message.
  -d, --debug          log extended debugging information.
  -q, --quiet          quiet operation (no status messages).
  -v, --verbose        verbose status messages (default).

  -i prefix, --input-prefix=prefix.
  -o prefix, --output-prefix=prefix.
  --suppress_pr       suppress partial year reporter messages.

C:\ertac_egu\REG3>_
```

Tutorial Case - Preprocessing

- In the command line window, type
 - `C:\ertac_egu\1.01\ertac_preprocess.py`
- Wait until you see the command line prompt again.
- It may take about 2-3 minutes to finish.
- You should be able to see calc* files.
- Review the log file before running the projection code.

Tutorial Case - Projection

- In the command line window, type
 - `C:\ertac_egu\1.01\ertac_projection.py`
- Wait until you see the command line prompt again.
- It may take about 2-3 minutes to finish.
- You should be able to see “calc*” files.
- Review the log file before running the post-processing code.

Tutorial Case - Postprocessing

- In the command line window, type
 - `C:\ertac_egu\1.01\ertac_postprocess.py`
- Wait until you see the command line prompt again.
- It may take about 2-3 minutes to finish.
- You should be able to see calc* files .
- Review the log file carefully.
- Additional command line inputs are available for power users.

Options for Advanced Users

- Setting Up a Batch Run

- If you want to do streamline run, you can create a batch file that contains the following lines:

```
C:\ertac_egu\1.01\ertac_preprocess.py
```

```
C:\ertac_egu\1.01\ertac_projection.py
```

```
C:\ertac_egu\1.01\ertac_postprocess.py
```

- Command Line Options (except postprocessor)

- -i for prefix of input files
- -o for prefix of output files
- Note: post processor has additional command line options that are available by running --help

Got Problems?

- Join our technical support user group - ertac-egu-user@googlegroups.com and ask your question.