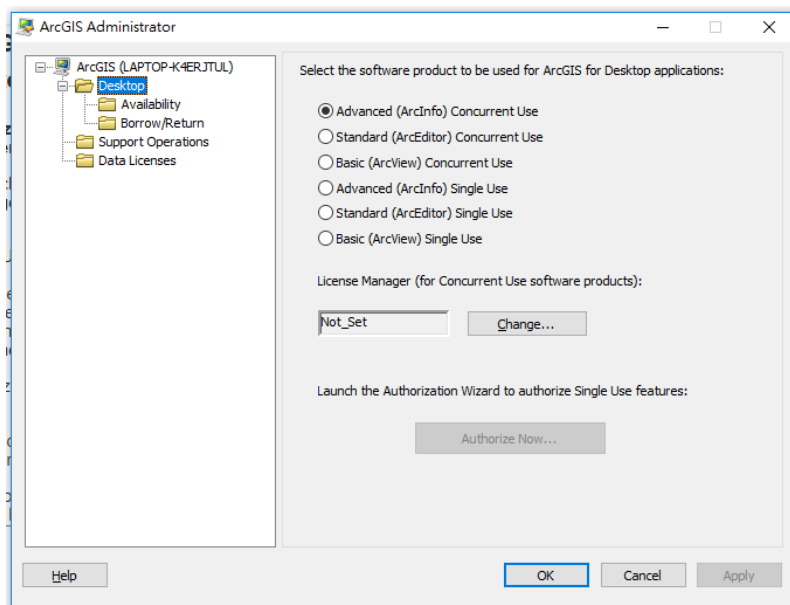


```
# -----
# Name:           Reliability project installation and set-up guide
# Purpose:        Get the environment ready for the experiments
# Author:         Elena Grigoreva, e.v.grigoryeva@gmail.com
#                 (Technical University of Munich)
# About author:   https://egrigoreva.github.io/
# Created:        12/10/2018
# Copyright:      (c) Chair of Communication Networks, Department of
#                 Electrical and Computer Engineering,
#                 Technical University of Munich
# ArcGIS Version: 10.3.1
# Python Version: 2.7
# -----
```

1. Install ArcMAP (preferably version 10.3.1)

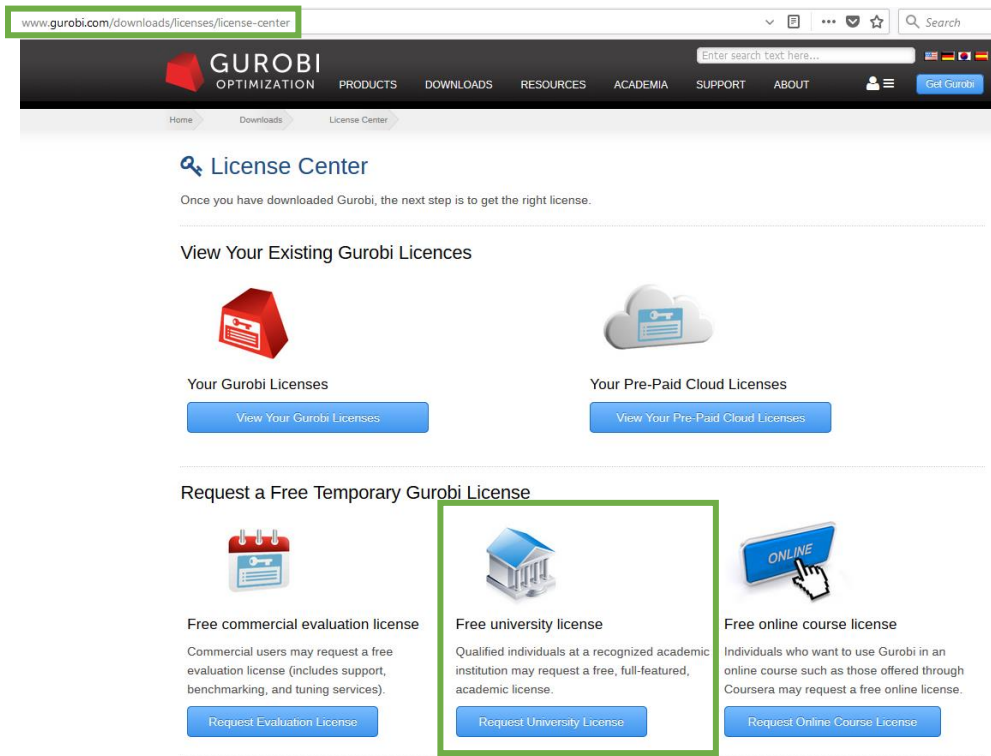
Note: ArcGIS has its own Python distribution as the arcpy (its geoprocessing) library is commercial and cannot be installed separately to other Python distributions as Anaconda. You can find ArcGIS version of python in a path similar to C://Python27//ArcGIS10.3

2. Get ArcMAP license (<https://support.esri.com/en/technical-article/000012392>)
3. If you did not input the license code during the installation, you can always do it later in the ArcGIS Administrator.

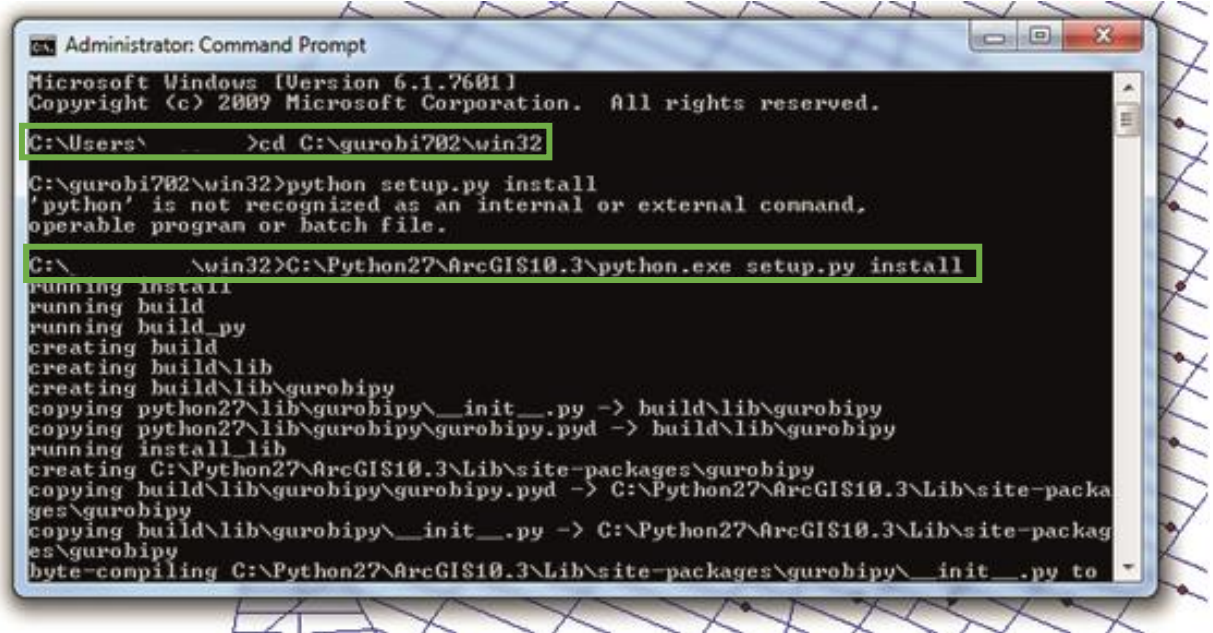


4. Install Gurobi 7.0.2 for win32 (for ArcMap 10.3.1)

5. Get free academic Gurobi license:



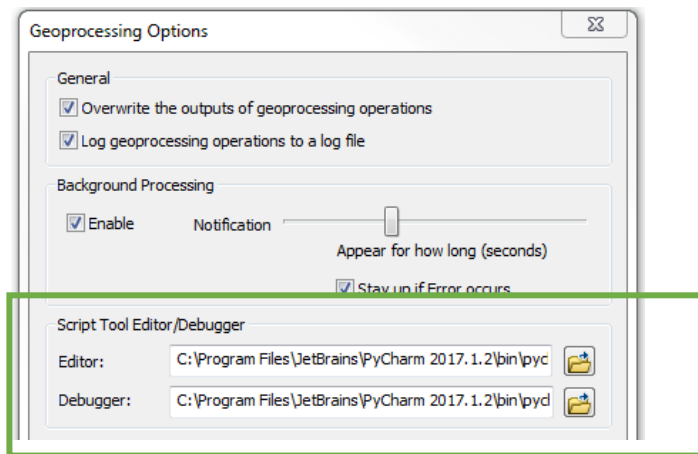
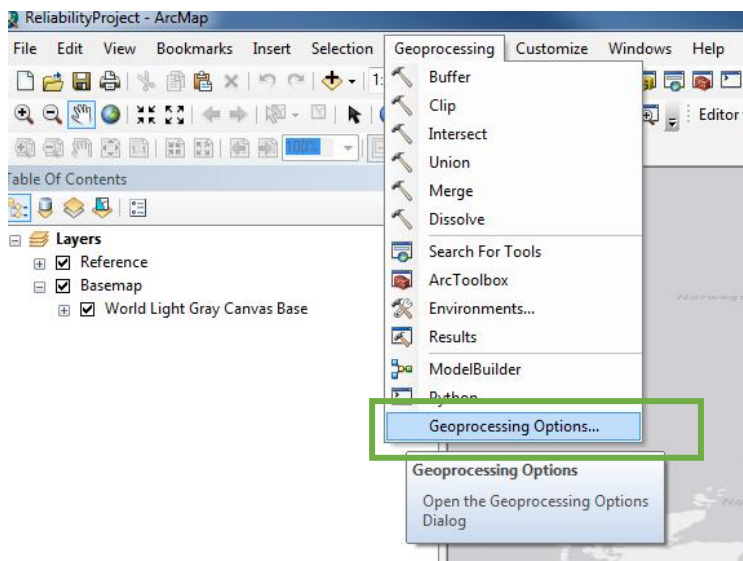
6. Link Gurobi to Python distribution from ArcMAP (otherwise gurobi will not be found)



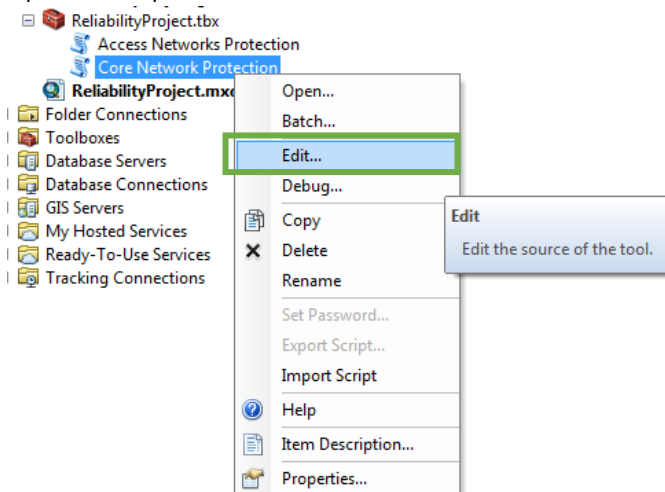
7. Open Reliability project

	ReliabilityProject	15.05.2018 15:02	ArcGIS ArcMap Document	4,460 KB
	ReliabilityProject	10.05.2018 16:54	ArcGIS Toolbox	19 KB

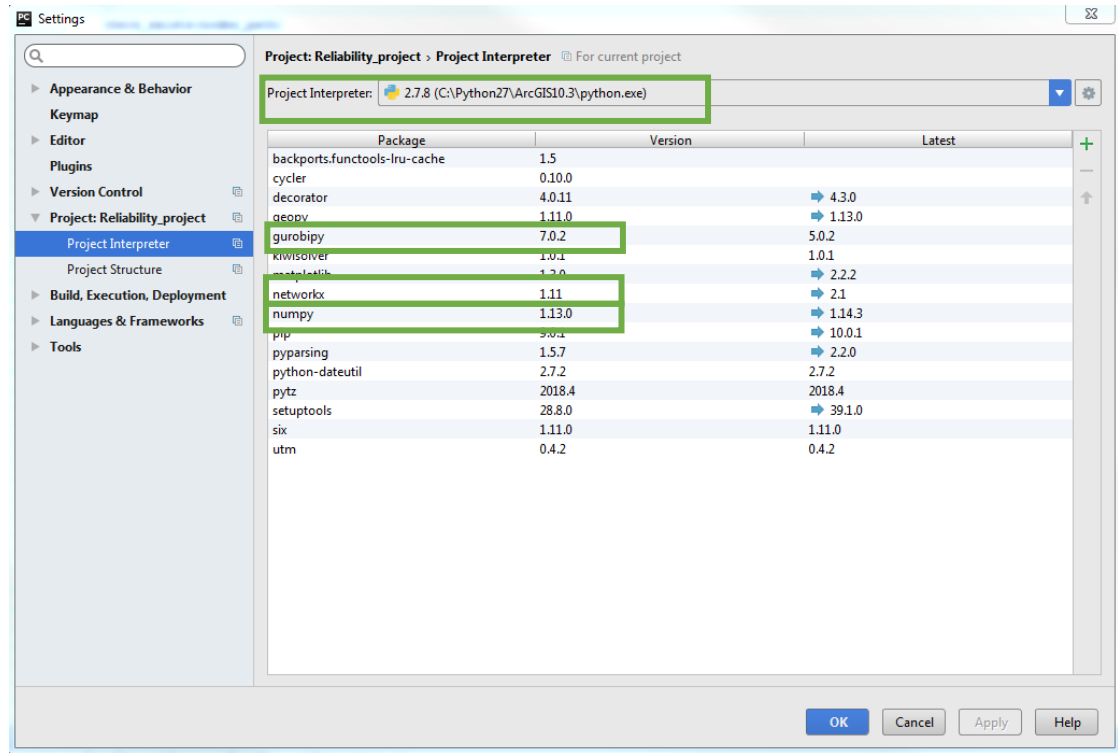
8. Connect your Python IDE (64bit executable) to the ArcMAP



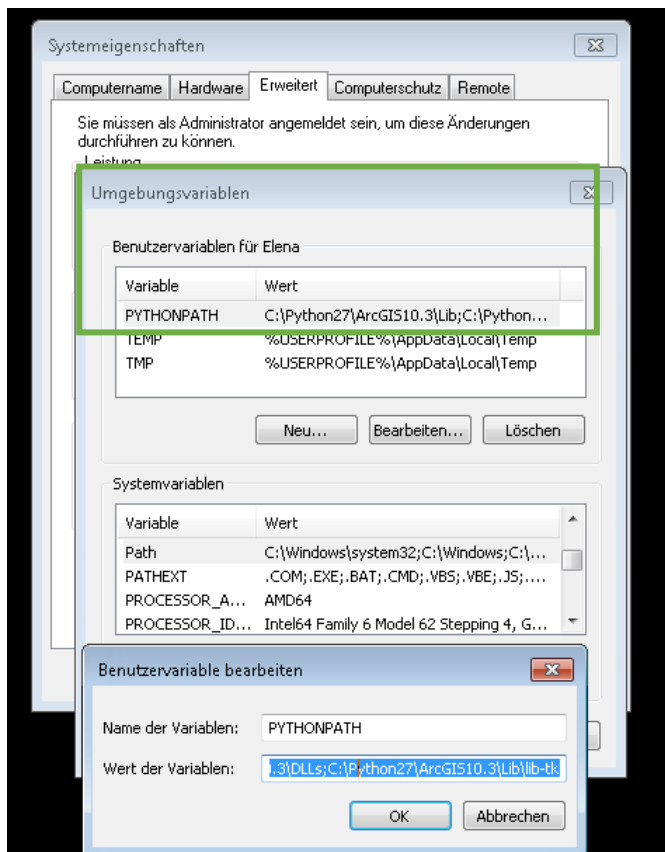
9. Open the script in the IDE for "Edit"



10. In the IDE choose the ArcGIS python distribution and install missing packages. The versions of the packages are important, otherwise the code will not work.



11. Set the environment variables for python as they are not set automatically. Without setting it the arcpy will not be found and the code will not execute. Please pay attention to the instruction:
- Add variable **PYTHONPATH** to the **user defined environment variables**, with the value C:\Python27\ArcGIS10.3\Lib;C:\Python27\ArcGIS10.3\DLLs;C:\Python27\ArcGIS10.3\Lib\lib-tk
 - At the end of the **system variable named Path**, add the following (Make sure python.exe exists in this path) ;C:\Python27\ArcGIS10.3
 - Open cmd, type python and then type import arcpy. If no error is thrown, configuration is correct.

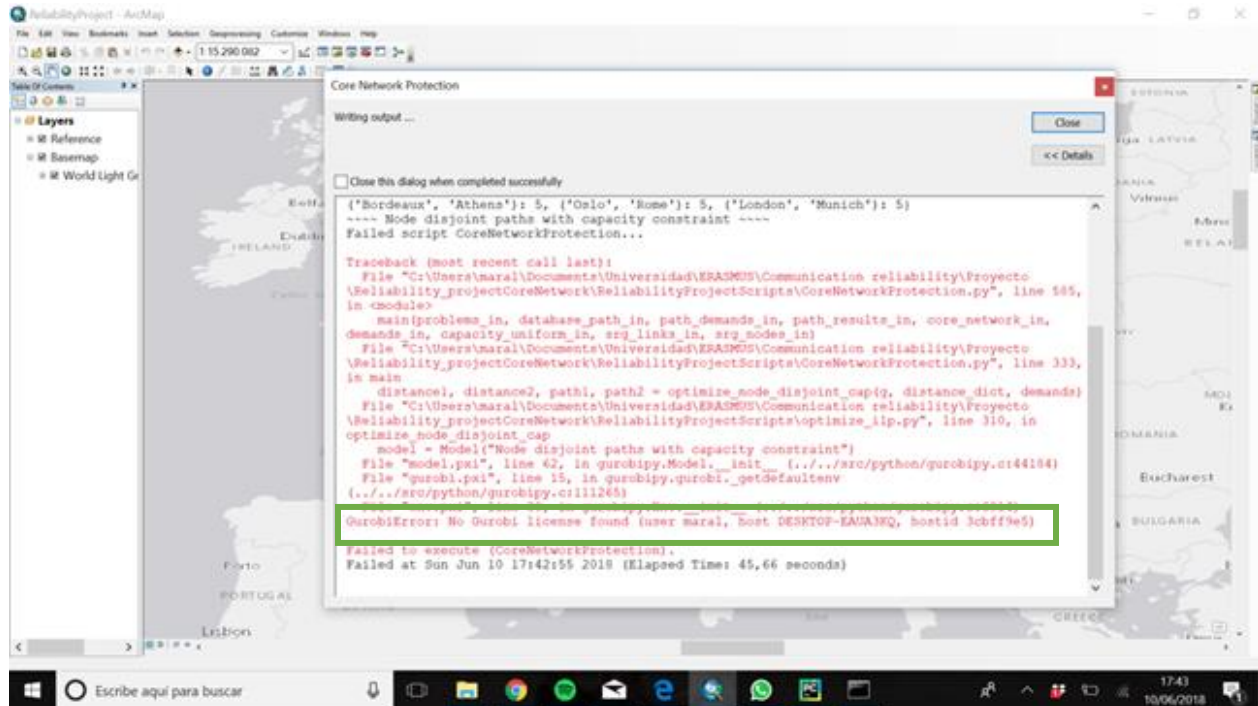


```
C:\Windows\system32\cmd.exe - python
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. Alle Rechte vorbehalten.

C:\Users\Elena>python
Python 2.7.8 (default, Jun 30 2014, 16:03:49) [MSC v.1500 32 bit (Intel)] on win
32
Type "help", "copyright", "credits" or "license" for more information.
>>> import arcpy
>>> _
```

The installation is complete!

This would be the error message if the Gurobi license is not installed.



This would be the error message with the wrong version of networkx.

