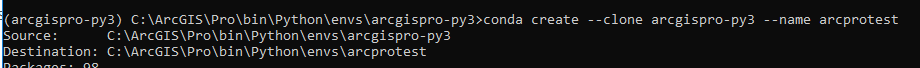
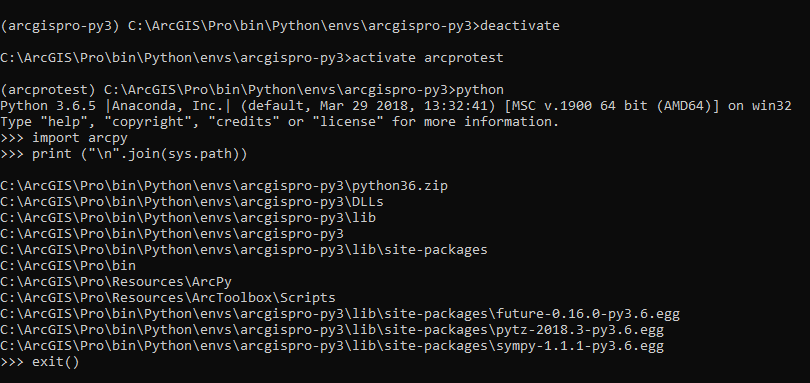
**Using ArcGIS Pro 2.2.1 with Ipython Notebook:**

* Received a new Virtual Desktop Infrastructure (VDI) machine named VS120
* Installed is only ArcGIS Pro 2.2.3 what is the latest version as of November 2018
* Created a clone of the system conda environment arcgispro-py3 → arcprotest



* Installed >> conda install scikit-learn -- no issues
* Configure ArcGIS python to see Anaconda environment and vice versa is working without any changes to package versions, etc suggested in the EGIS help document <https://my.usgs.gov/confluence/display/EGIS/Using+Anaconda+modules+from+the+ESRI+python+environment>

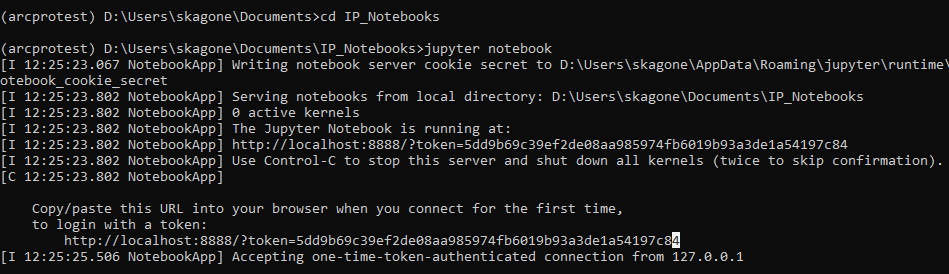
→ it worked without issues (previous issues when tried on local desktop were related with not having the right package versions available, too many installs of ArcGIS/Anaconda)



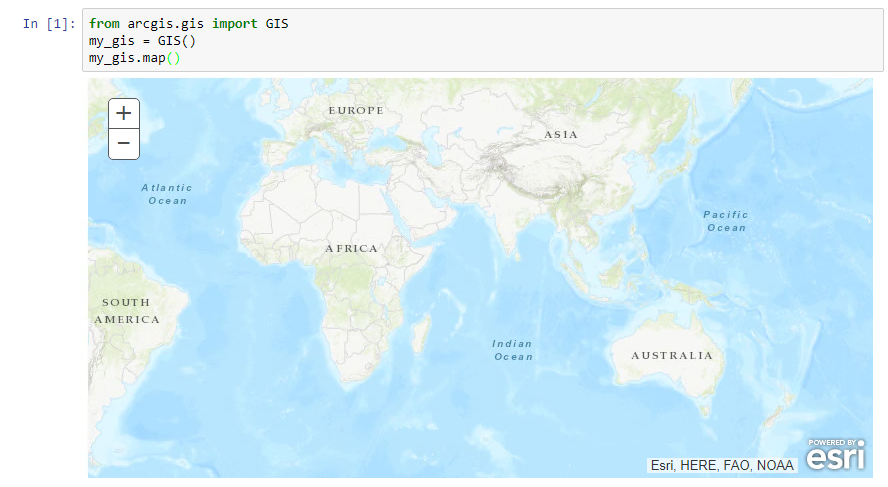
* Next step is to make the arcpy module connect in IPython Notebook <https://developers.arcgis.com/python/guide/install-and-set-up/>
* ESRI suggests to upgrade a bunch of packages, but tried first to use the API in Notebook to see if the newest version of ArcGIS Pro comes already with the latest and greatest needed. → and it did!

1. In the Python command prompt I changed directories to a Notebook location and opened Notebook

OR: open Jupyter Notebook application under ArcGIS and from there browse to your file



1. The directory will open in your default browser. From there you can open a new or existing .ipynb file. To open a new one, click on New (top right) and select Python3 or open an existing file by double clicking it.
2. Test that arcpy module is working is below. Enter code in cell and hit run to execute. In case the map is not displaying after the notebook as been closed and reopened, just click in that cell and run it again.



1. To probably shut down a notebook, click **CTRL+C** and the kernel (connection) will be closed





* ESRI has great sample notebooks under <https://developers.arcgis.com/python/sample-notebooks/>
* IPython Notebook documentation <https://jupyter-notebook.readthedocs.io/en/stable/>
* For formatting notebook text, Markup language is used <https://github.com/adam-p/markdown-here/wiki/Markdown-Cheatsheet>
* IPython Notebook can also be used for R coding (<https://github.com/IRkernel/IRkernel>)
* Notebooks can be exported to different static formats including HTML, reStructeredText, LaTeX, PDF, and slide shows ([reveal.js](http://lab.hakim.se/reveal-js/)) using Jupyter’s nbconvert utility.
* Furthermore, any notebook document available from a **public URL on or GitHub can be shared** via [nbviewer](http://nbviewer.jupyter.org/). This service loads the notebook document from the URL and renders it as a static web page. The resulting web page may thus be shared with others **without their needing to install the Jupyter Notebook**.