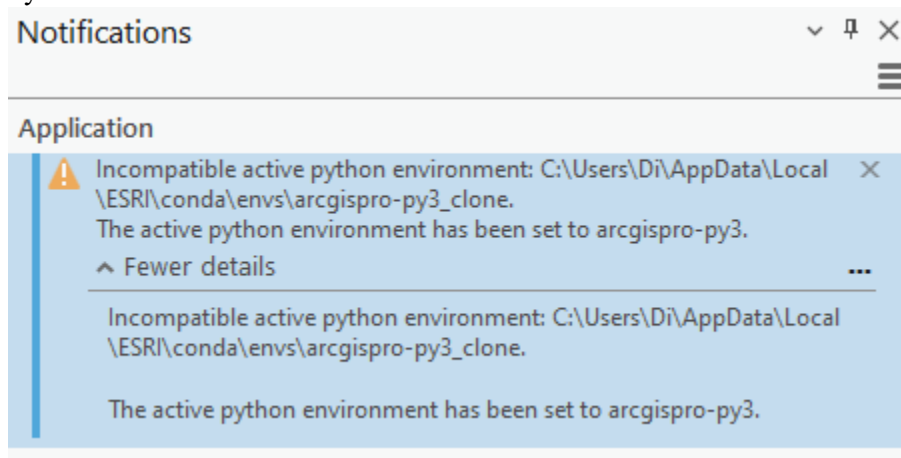


GeemapNDVI Tool update

The NASA RECOVER Post-wildfire DSS continues to improve its long-term monitoring toolbox. The release of ArcGIS Pro 3.3 and subsequent changes in the underlying .NET and Python environment necessitated an update of our long-term monitoring tool. The following explains these updates which may require some action from our users but only if the long-term monitoring tool was installed in an earlier version of ArcGIS Pro (i.e., pre-3.3).

1. **The ArcGIS Pro 3.3 upgrade** involves a .NET upgrade resulting in problems to existing cloned Python environments. After the .NET and ArcGIS Pro upgrade has completed, a notification like the following will appear in ArcGIS Pro 3.3. This message indicates ArcGIS Pro 3.3 forced the Python environment back to the ArcGIS Pro default environment.



Restart the computer after the ArcGIS Pro 3.3 upgrade to disconnect the environment link between the previous clone environment and the ArcGIS Pro. Next, navigate to `C:\User\[user name]\AppData\Local\ESRI\conda\envs\` and delete the cloned environment.

Even though Esri documentation suggests you can upgrade the Python environment (<https://pro.arcgis.com/en/pro-app/latest/arcpy/get-started/upgrade-an-environment.htm>) our testing indicates the open source packages like Geemap installed in our earlier version of the Long term monitoring tool were removed during the upgrade. The easiest way to re-enable this tool is to delete the previously cloned environment and then follow Parts 1-3 of the Long Term Monitoring tool tutorial (https://giscenter.isu.edu/pdf/PDF_NASA_RECOVER2/TUTORIAL_UsingGEEMAP_LongtermNDVImonitoring.pdf) and recreate a cloned environment that is both compatible with Geemap and ArcGIS Pro 3.3.

2. **ArcGIS Pro Projects with Multiple Maps.** Many ArcGIS Pro projects contains multiple maps. When using the Long-term monitoring tool, the spatial extent of the map is used to identify the area of interest (AOI). Only the first map extent is transferred to the geemapNDVIttool. If more than one map exists, this will likely cause the tool to fail and report a warning that the region is too big and failed to download. We are working to fix this problem.