

## Chapter 7 Tech Tips

In this lab, you will be using either QGIS (Lab Application 7.1), ArcGIS Pro (Lab Application 7.2) or ArcMap (Lab Application 7.3, available for free download as a PDF online from IGT4e's Website).

### QGIS Tech Tips:

For QGIS, the version used in this lab was 2.18. Each new version of QGIS always seems to bring new changes to the controls, buttons, and menus of the software, but this chapter's lab works fine with version 2.18. This version (and older versions) of QGIS are available for free download at: <http://qgis.org/downloads>

QGIS will run on a Mac computer.

### ArcGIS Pro Tech Tips:

When ArcGIS Desktop is installed, separate icons for ArcMap and ArcGIS Pro will be installed. Use of ArcGIS Pro by a user requires three things to happen before clicking on that ArcGIS Pro icon:

1. The user has an Esri Account
2. That Esri Account properly connected to your organization's ArcGIS Online account
3. The ArcGIS Pro license activate for that Esri Account within the organization's ArcGIS Online setup

For help with these three steps, contact your organization's ArcGIS Online administrator. Or if you are the administrator, do the following to achieve these three steps:

1. Either have the user create an Esri Account or you will create one for them.
2. Use the ArcGIS Online tools for an administrator to send an invite to the user with the Esri Account so that they will be "invited" to join the organization at either the user or publisher level. This invite must be sent to the email address that is associated with the user Account that was specified when the Account was created. The user receiving the invite will follow a link in the email to finish the process of connecting their Esri Account to the organization.

3. Once that Esri Account is connected, the ArcGIS Online administrator needs to log in to the organization's ArcGIS Online account and manually assign an ArcGIS Pro license to that Esri Account.

Note that if you've already performed these three steps for setting things up for students to work with ArcGIS Pro in Lab Application 5.2 or Lab Application 6.2 you don't have to do them again here.

After all of this, when a user starts ArcGIS Pro, the first thing that is required is for them to do is log in with their Esri Account username and password that has the ArcGIS Pro license assigned to it. Only at that point (after signing in and having ArcGIS Pro verify via the internet that a license has been assigned) will the user be able to use ArcGIS Pro.

Also, ArcGIS Pro does not run on a Mac. You would have to install Windows on the Mac (or use a similar type of program for running Windows software on a Mac) to be able to run it on a Mac.

#### ArcMap Tech Tips:

The lab was designed for ArcMap from ArcGIS Desktop 10.5, but will work fine with ArcGIS for Desktop versions 10.1, 10.2, 10.3, 10.4 (or the sub-versions such as 10.3.1) as well.

Also, ArcMap does not run on a Mac. You would have to install Windows on the Mac (or use a similar type of program for running Windows software on a Mac) to be able to run it on a Mac.