



# Using global imagery basemaps

## Something for everyone

The Esri World Imagery Basemap and World Imagery Basemap with labels provide satellite imagery for the world and high-resolution imagery for the US and other areas around the world. The default World Imagery Basemap as shown in the drop-down menu does not contain metadata. If you add World Imagery from the search menu, there is a citation layer that provides metadata about the imagery. It is from this information that you can see the provider of the data, the date of acquisition, the resolution, and the accuracy.

The instructional GIS team of your university has asked you to prepare a lesson introducing the Esri World Imagery Basemap. The team has asked that you develop an exercise that students can do to understand the difference in resolution and accuracy at different locations.

### Build skills in these areas

- Adding World Imagery layer with citation layer
- Accessing metadata of the World Imagery layer
- Comparing resolution across world locations

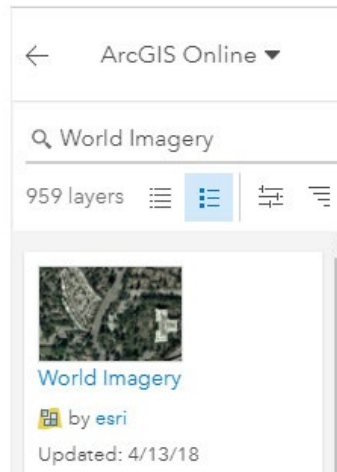
### What you need

- Account not required
- Estimated time: under 30 minutes

Publication date: February 21, 2019

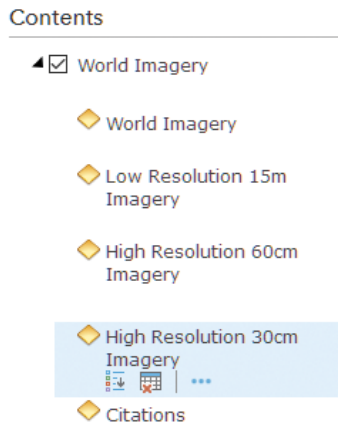
# 1. Add World Imagery Basemap with citations

1. Go [ArcGIS Online](#).
2. Click Map to open the Map Viewer.
3. Click Modify Map in the upper right corner.
4. Click Add and Search for Layers. Use the following parameters:
  - a. World imagery
  - b. ArcGIS Online



5. Add World Imagery by esri.
6. Click the back arrow to go back to the Contents Pane.
7. Click Content under Details.

8. Click World Imagery in the contents pane to expand the legend.



This is a multiscale image; as you zoom in, the scale changes.

*Q1 What objects can be seen at the following resolutions?*

*Low Resolution 15 meters*

*High Resolution 60 cm*

*High Resolution 30 cm*

## 2. Investigate locations around the world

1. In the upper right, search tab search for the locations shown below.
2. Zoom into the location until the image becomes blurry.
3. Click on the image to display the metadata.

*Q2 On your own, locate the places in the following table and record the image detail:*

| Location        | Provider | Resolution | Accuracy |
|-----------------|----------|------------|----------|
| O'ahu, Hawaii   |          |            |          |
| Shanghai, China |          |            |          |
| Oslo, Norway    |          |            |          |
| Abu Dhabi, UAE  |          |            |          |
| Washington, DC  |          |            |          |

