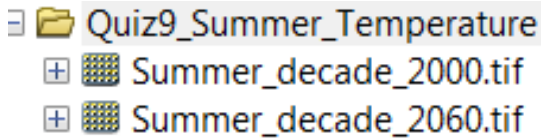


## QUIZ#9: Alaska Temperature Rasters

Download the and unzip **Quiz9\_Summer\_Temperature.zip** from :  
[http://dverbyla.net/nrm435/quiz\\_data\\_2017/](http://dverbyla.net/nrm435/quiz_data_2017/)



The folder contains two tif rasters representing the mean summer temperature of Alaska. These rasters were produced by the scientists with the SNAP program (<http://www.snap.uaf.edu/>)

Assume you can grow tomatoes outdoors at summer temperature above 16 degrees C. What is the total area in hectares above this threshold for the two decades? Develop a .dbf table containing these values.

WarmPixels	
Ha2000	Ha2060
0	0

You can get the pixel size by looking at the raster properties. 1 ha = 10000 m<sup>2</sup>  
 So for example if a raster had 5km pixels, each pixel would be equal in area to (5000\*5000)/10000 hectares

All geoprocessing output should be to your Quiz9\_Summer\_Temperature folder.

Email me ( [dverbyla@alaska.edu](mailto:dverbyla@alaska.edu) ) your map package **mpk** file. (not your .mxd file) as an attachment