GEO 542: Introduction to Remote Sensing – Fall 2025

Workshop2: **Pansharpening**

The advent of remote sensing sensors that have the capability to simultaneously acquire multispectral and panchromatic data took a major step forward in 1999. Two systems, Landsat 7 and Ikonos were launched that allowed for image enhancement due to these data acquisition capabilities.

In this workshop, you will utilize the Pansharp function in Catalyst Professional software to enhance both a Landsat 7 image and an Ikonos image. This function can be accessed through the Tools-Algorithm Librarian menu. The reference channels are different depending on the sensor. Therefore, you will need to access the Help Menu to determine channel selection.

Copy the entire Workshop2 folder from the Z:\ drive to C:\users\yourusername. The image data are located in this folder.