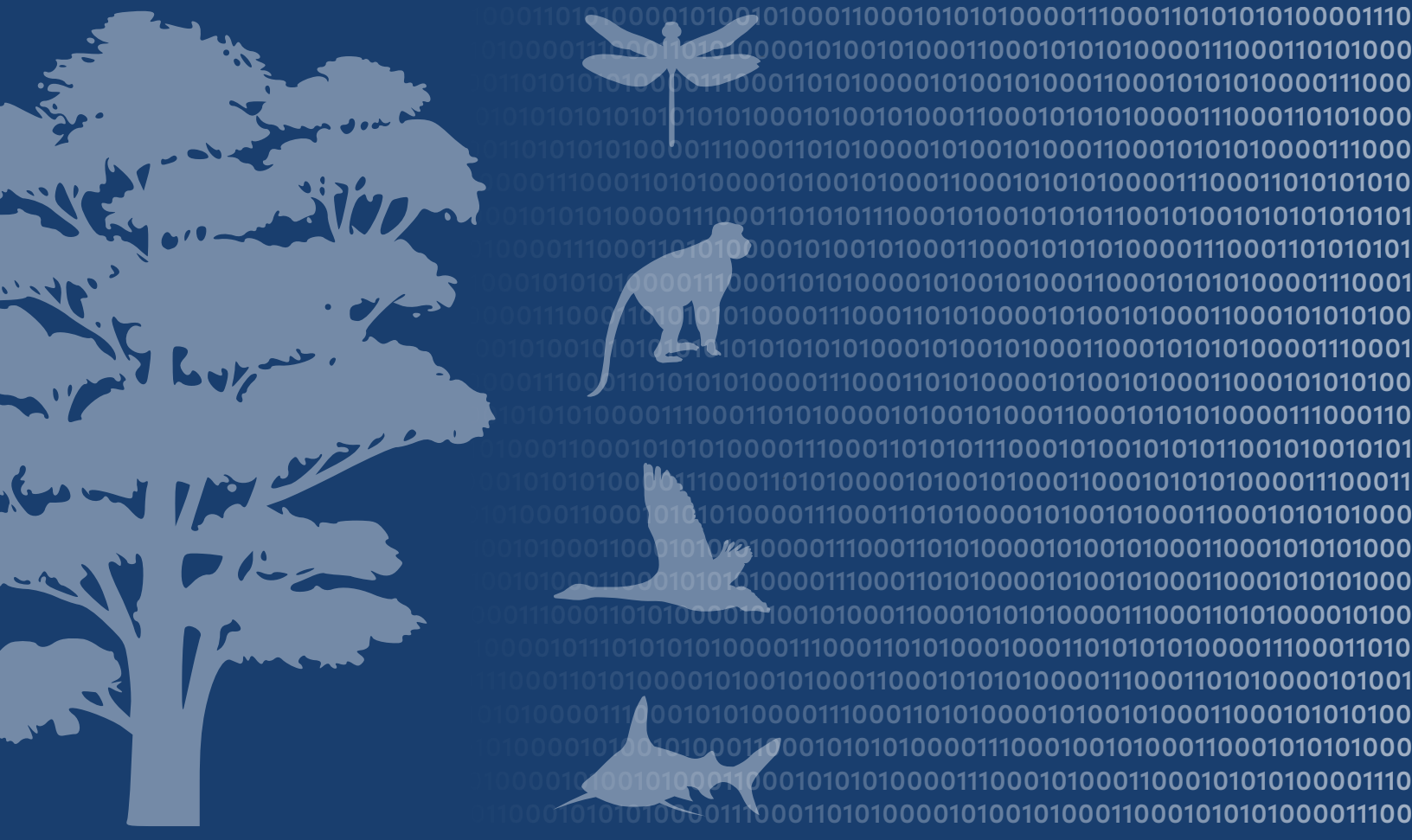
150 YEARS | American Museum of Natural History

Image footprint comparison



Center for Biodiversity and Conservation

Biodiversity Informatics Facility

The mission of the Biodiversity Informatics Facility is to be a leader in the development, application, and promotion of rigorous biodiversity informatics methods and tools to provide new insights in conservation, ecology, and evolution.

The Biodiversity Informatics Facility applies information technologies to collect, organize and analyze biological and environmental data from expeditions, remote sensing, natural history collections, modeling and databases. Through research that applies cutting-edge spatial analysis technologies, we aim to discover new insights and develop new methods in ecology, evolution and conservation biology. Through training initiatives and the development and distribution of software and scripts, we aim to strengthen the capacity of students, educators, researchers, conservation practitioners, and the broader public to study and better understand biodiversity.

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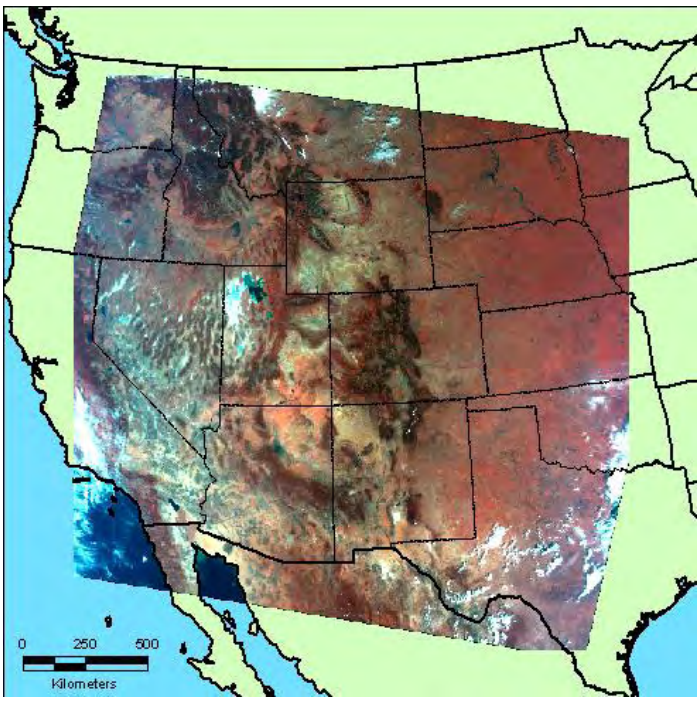
Center for Biodiversity and Conservation
American Museum of Natural History
Central Park West at 79th street
New York, New York, 10024 USA

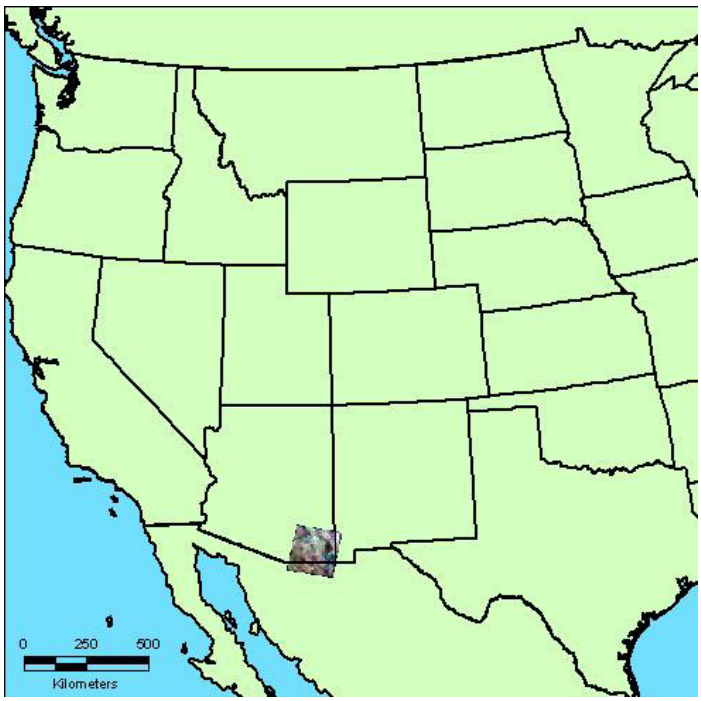
This guide illustrates the relative image size, or image footprint (extent), for four satellite sensors. Each page displays images from each of the 4 sensors using a consistent extent to illustrate how the extents and level of detail in the images differ. The four images are:

- MODIS image with an image width of 2330 kilometers.
- Landsat Thematic Mapper + (ETM+) that is roughly 185 kilometers on each side.
- Aster image that is 60 kilometers on a side.
- IKONOS image which is 11 kilometers on a side.

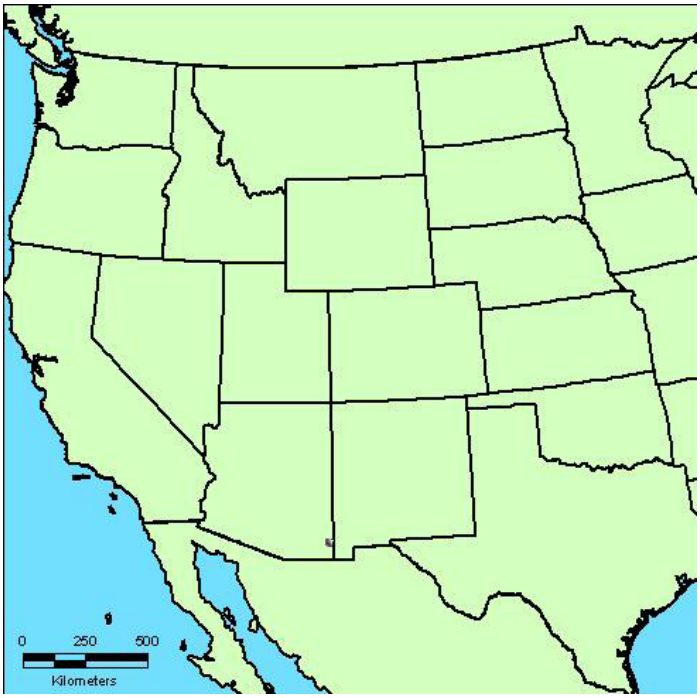
Images displayed using a MODIS footprint



MODIS



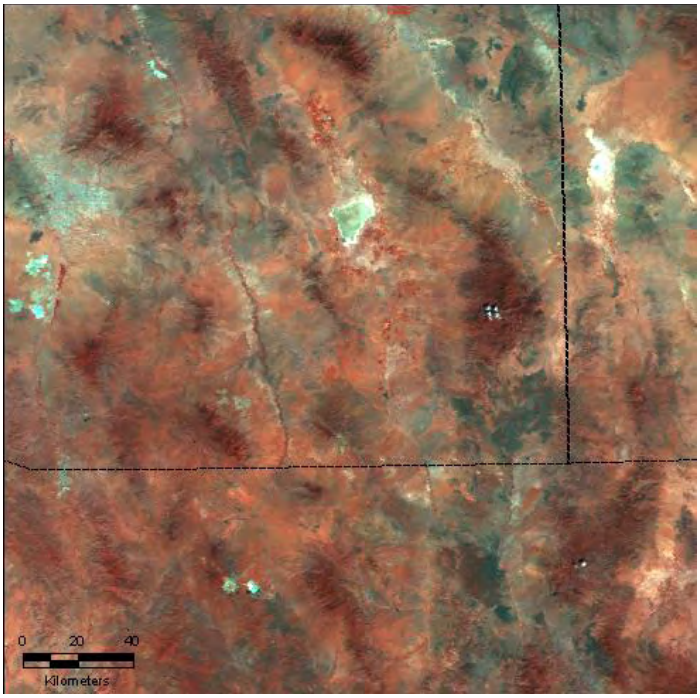
Landsat ETM+



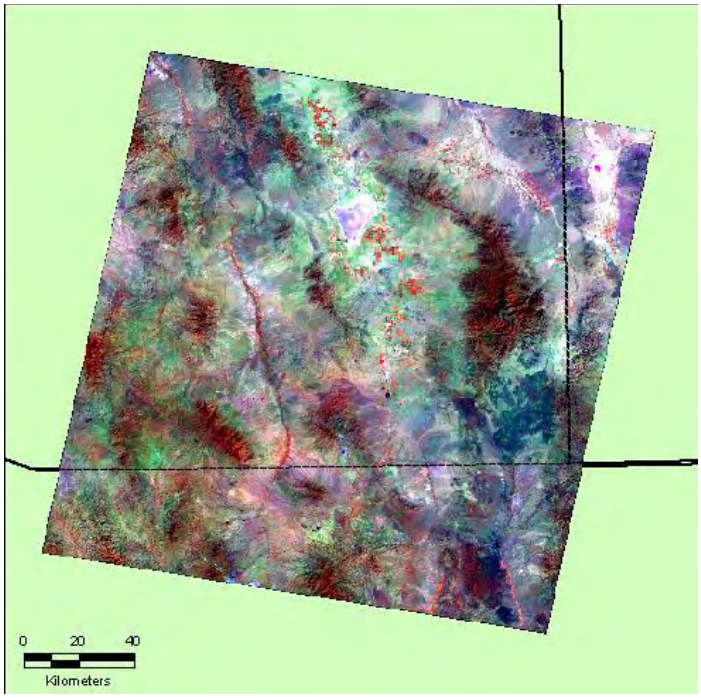
Aster

IKONOS

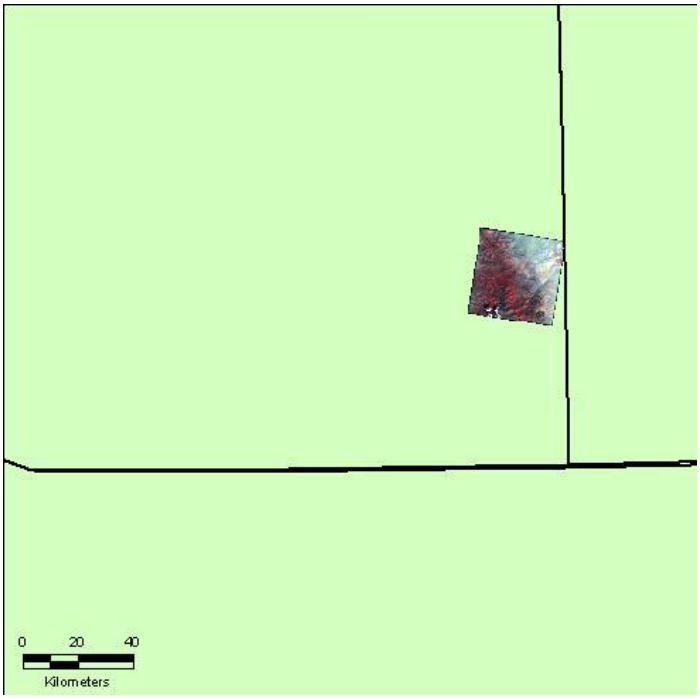
Images displayed using a Landsat footprint



MODIS



Landsat ETM+



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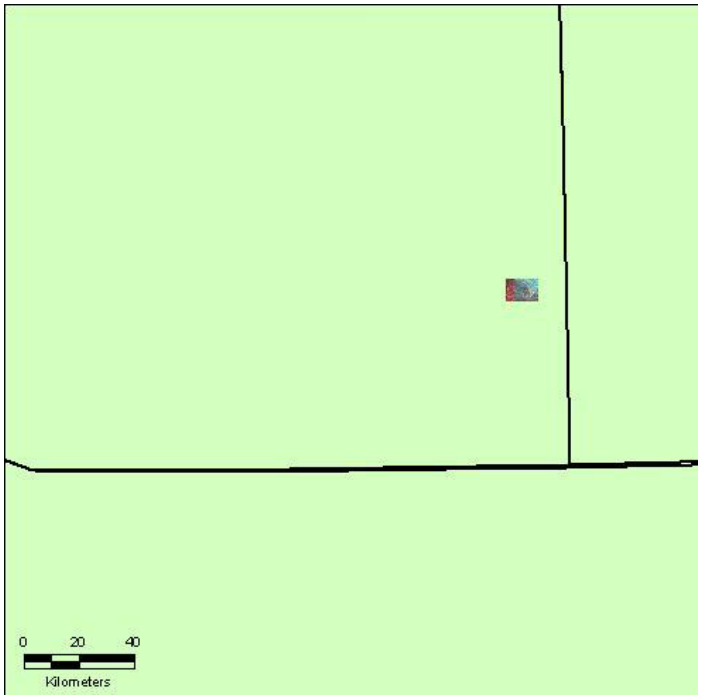
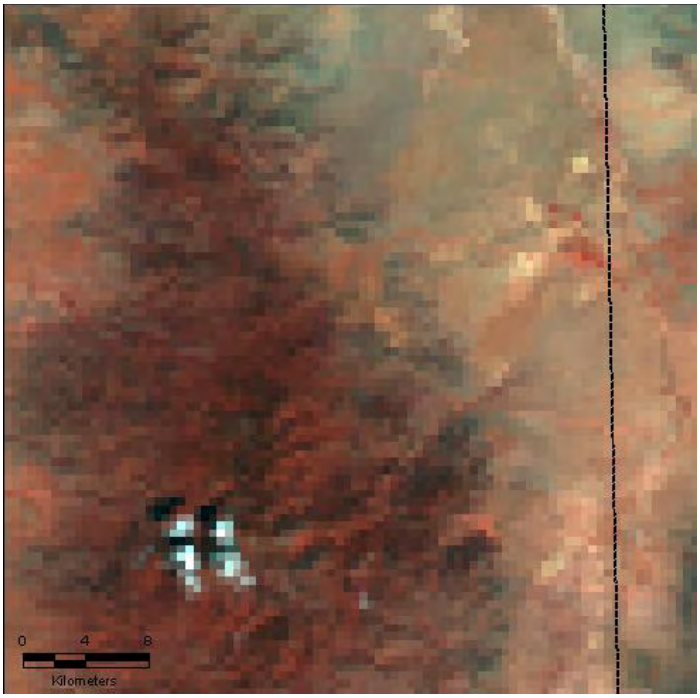
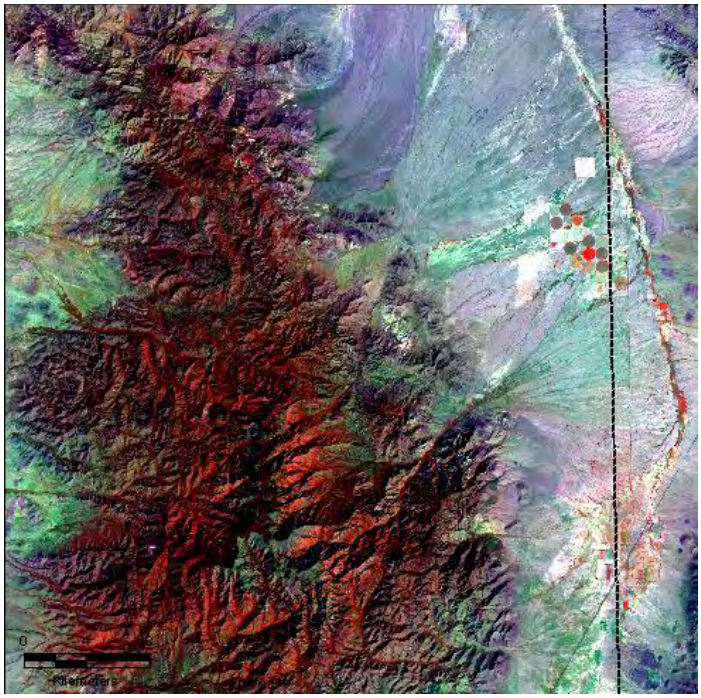


IKONOS

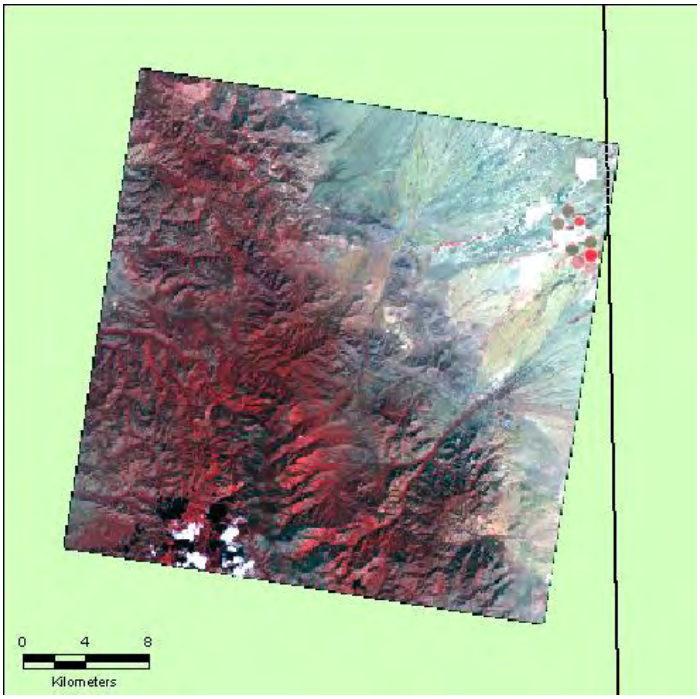
Images displayed using an Aster footprint



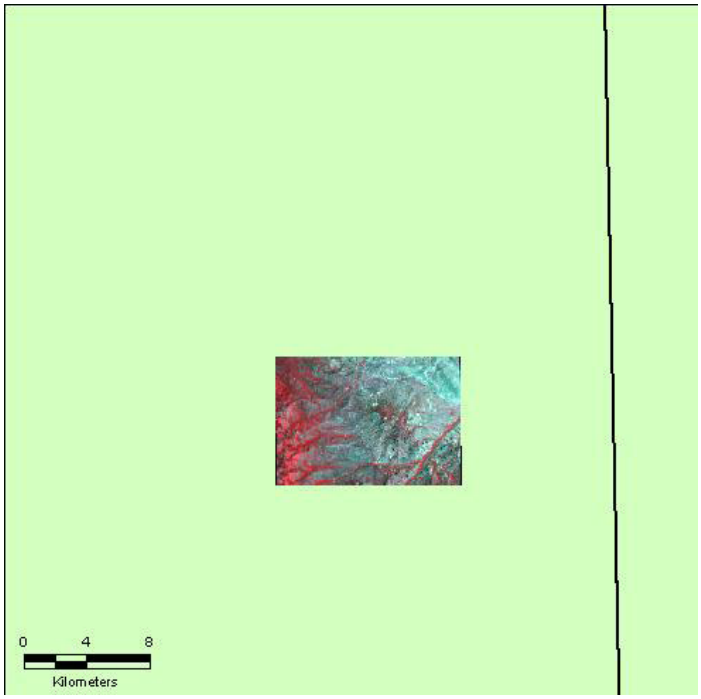
MODIS



Landsat ETM+

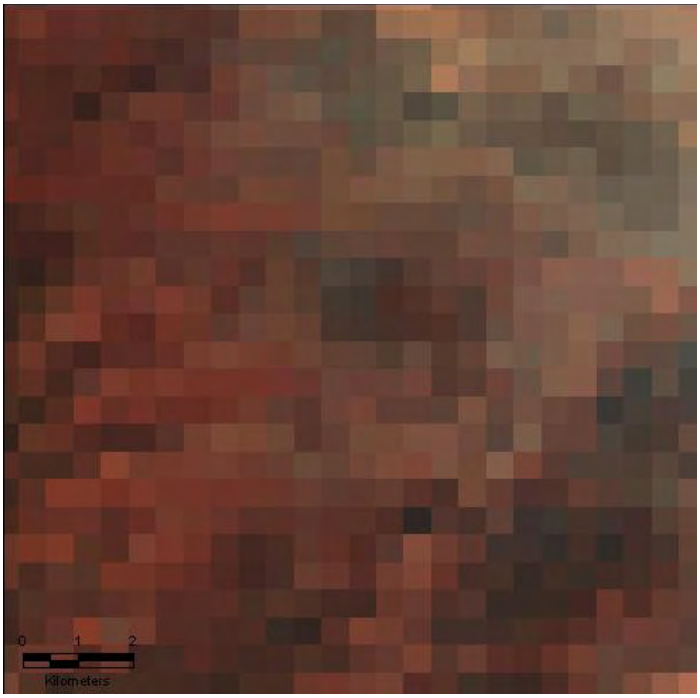


Aster

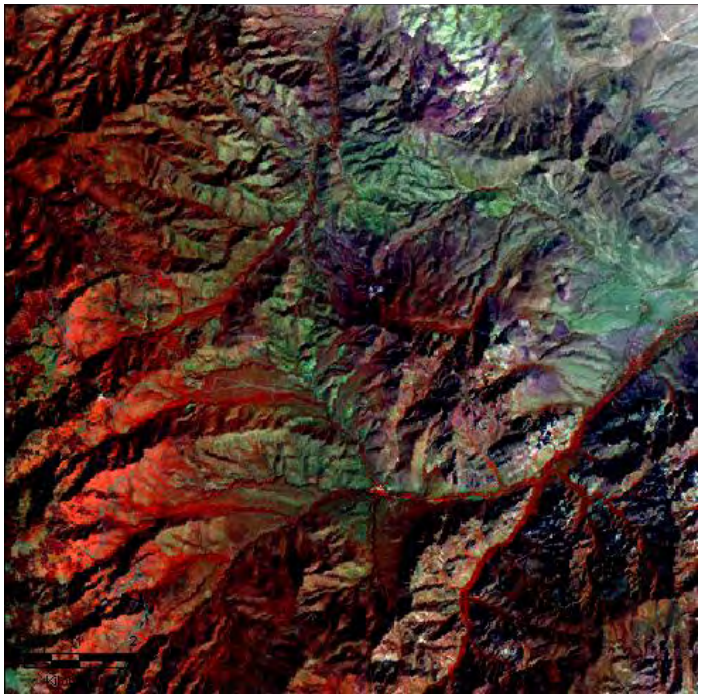


IKONOS

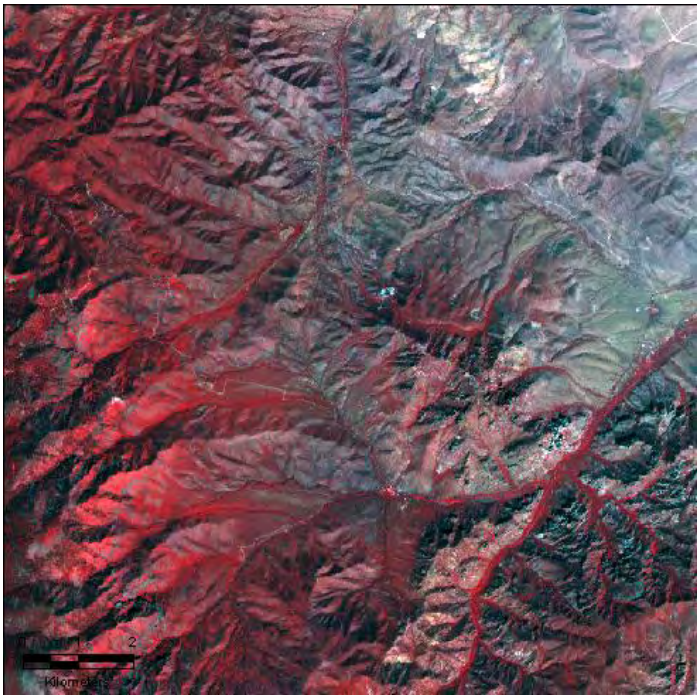
Images displayed using a IKONOS footprint



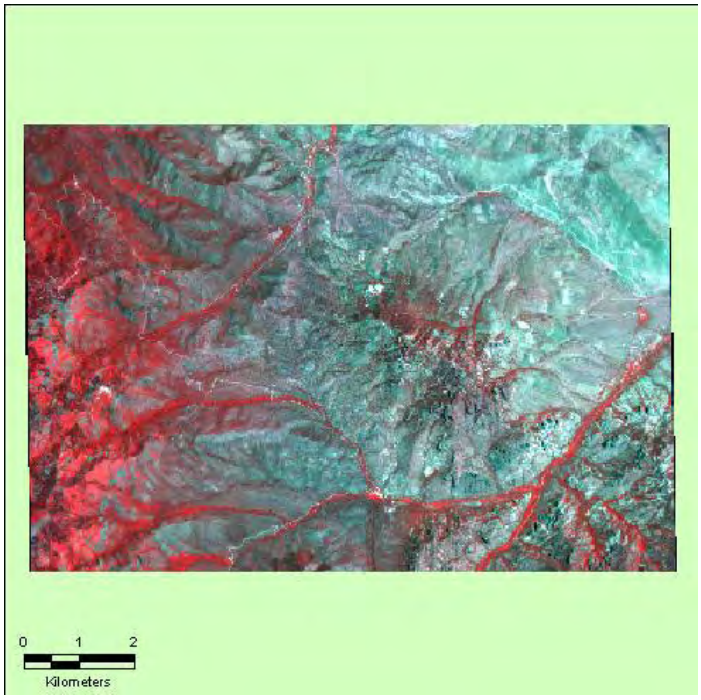
MODIS



Landsat ETM+



Aster



IKONOS