NOAA and the U.S. Geological Survey (USGS) Earth Resources Observation and Science (EROS) Center are collaborating on the development of a Land Product Characterization System (LPCS) that will facilitate the characterization and validation of GOES-R and JPSS land-related products (e.g., Surface Reflectance, Normalized Difference Vegetation Index, and Land Surface Temperature). The system is planned to utilize data and products of multi-satellite and in-situ data sources (e.g., Landsat 8, ESA Sentinel-2 and -3 series of satellites) and other relatively high and medium resolution sensors, to characterize GOES-R Advanced Baseline Imager (ABI) and Suomi National Polar-orbiting Partnership (S-NPP)/Joint Polar Satellite System (JPSS) Visible Infrared Imager Radiometer Suite (VIIRS) products.

The LPCS includes data inventory, access, and analysis functions that will permit selection of data to be easily identified, retrieved, co-registered, and compared statistically through a single interface. This functionality is evolving through a beta operational phase (2015) before becoming operational in 2016.