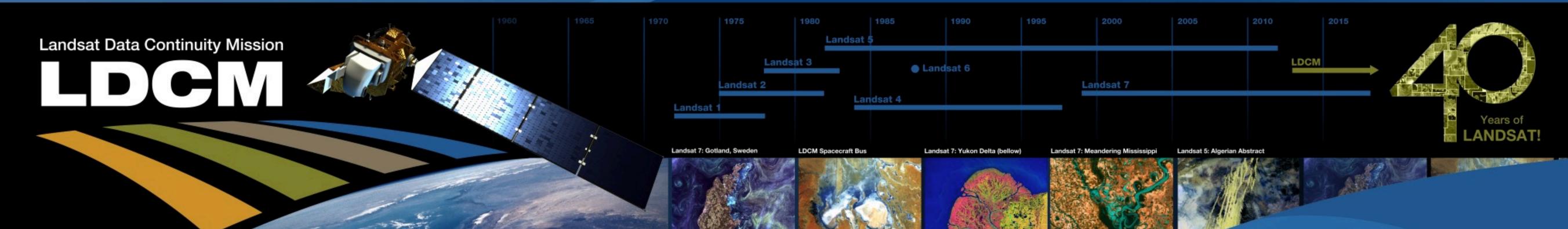


-Next in the line of Landsat Satellites



The Landsat Data Continuity Mission (LDCM) is the successor in a series Landsat satellites that spans the last 40 years. It will continue to obtain valuable data and imagery to be used in agriculture, education, business, science, and government. The Landsat Program is a joint endeavor between NASA and the United States Geological Survey (USGS) in the Department of the Interior (DOI).



Data Continuity Mission

Connect

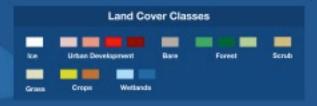
Since 1972 Landsat satellites have collected information about Earth from space. Learn more about the program from the Landsat project website.

http://landsat.gsfc.nasa.gov

Sensing a Wealth of

Scientific Data

LDCM is required to return 400 scenes per day (150 more than required of Landsat 7) to the USGS data archive, increasing the probability of capturing cloud-free scenes for the global landmass. The image to the right, which is one of these scenes, shows the different land cover classes surrounding Portland, Oregon.



Right: The LDCM observatory consists of the spacecraft bus with the instruments mounted



Science

LDCM will take specialized images of Earth's continents and surrounding coastal regions, enabling people to study many aspects of our planet and to evaluate the dynamic changes caused by both natural processes and human practices.

Payload

The LDCM satellite payload consists of two science instruments—the Operational Land Imager (OLI) and the Thermal Infrared Sensor (TIRS). These two sensors are designed to detect and characterize land cover change in concert with historic Landsat data.

Ground System

The LDCM ground system includes all ground-based assets and will perform two main functions. The first will be to command and control the LDCM observatory in orbit. The second will be to manage the data transmitted from the observatory.

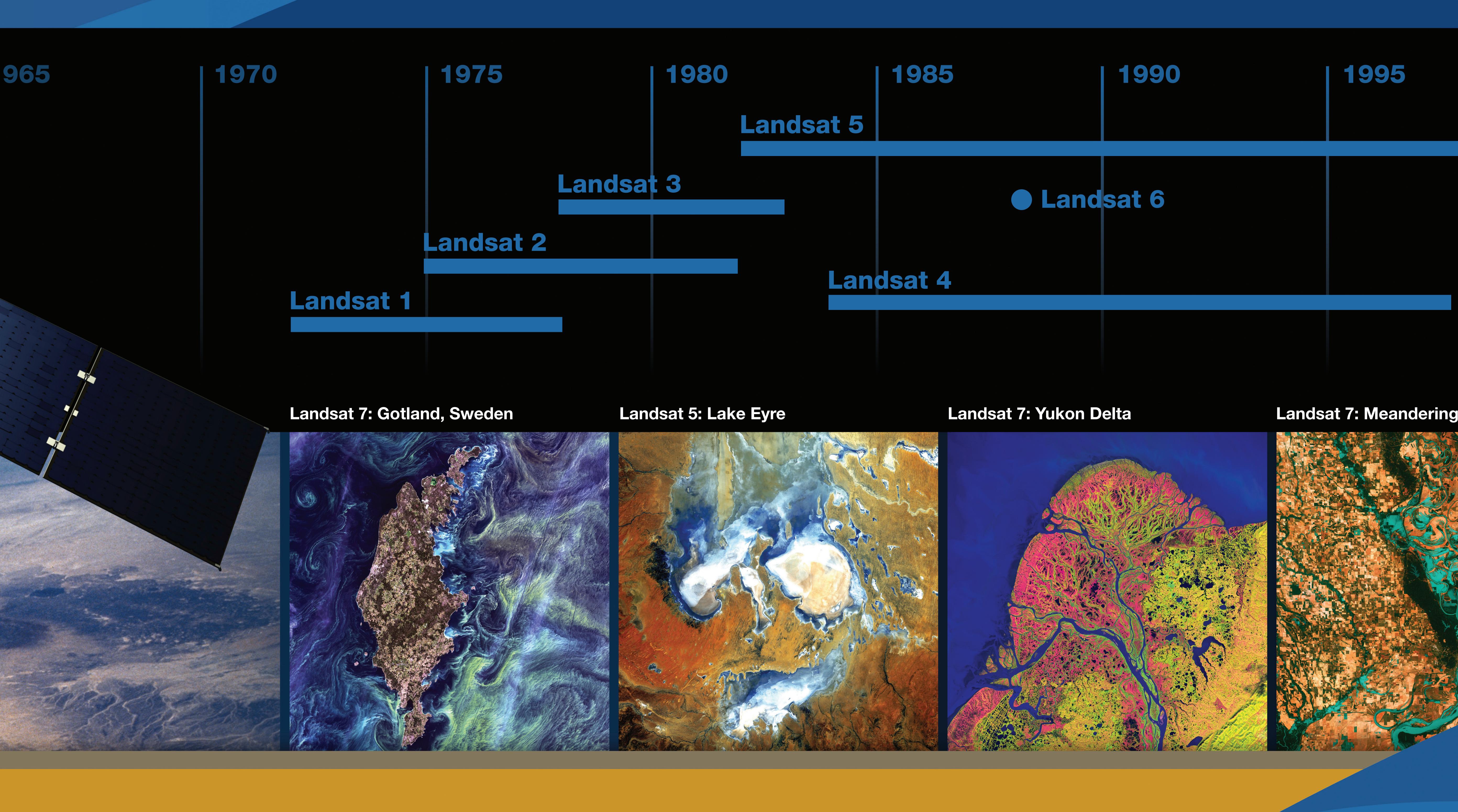






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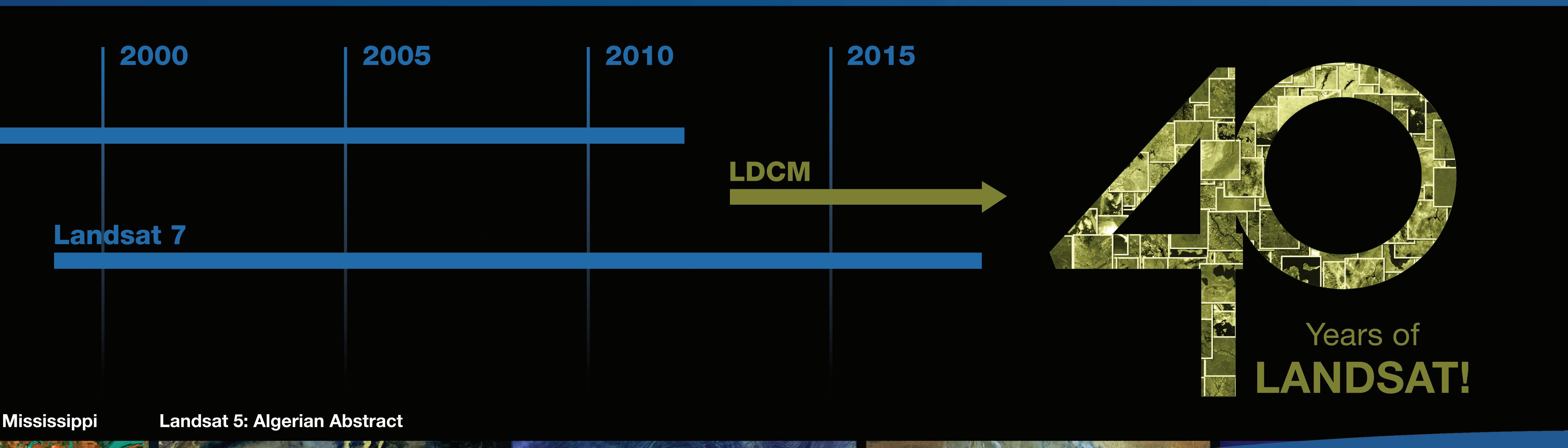
www.nasa.gov/landsat

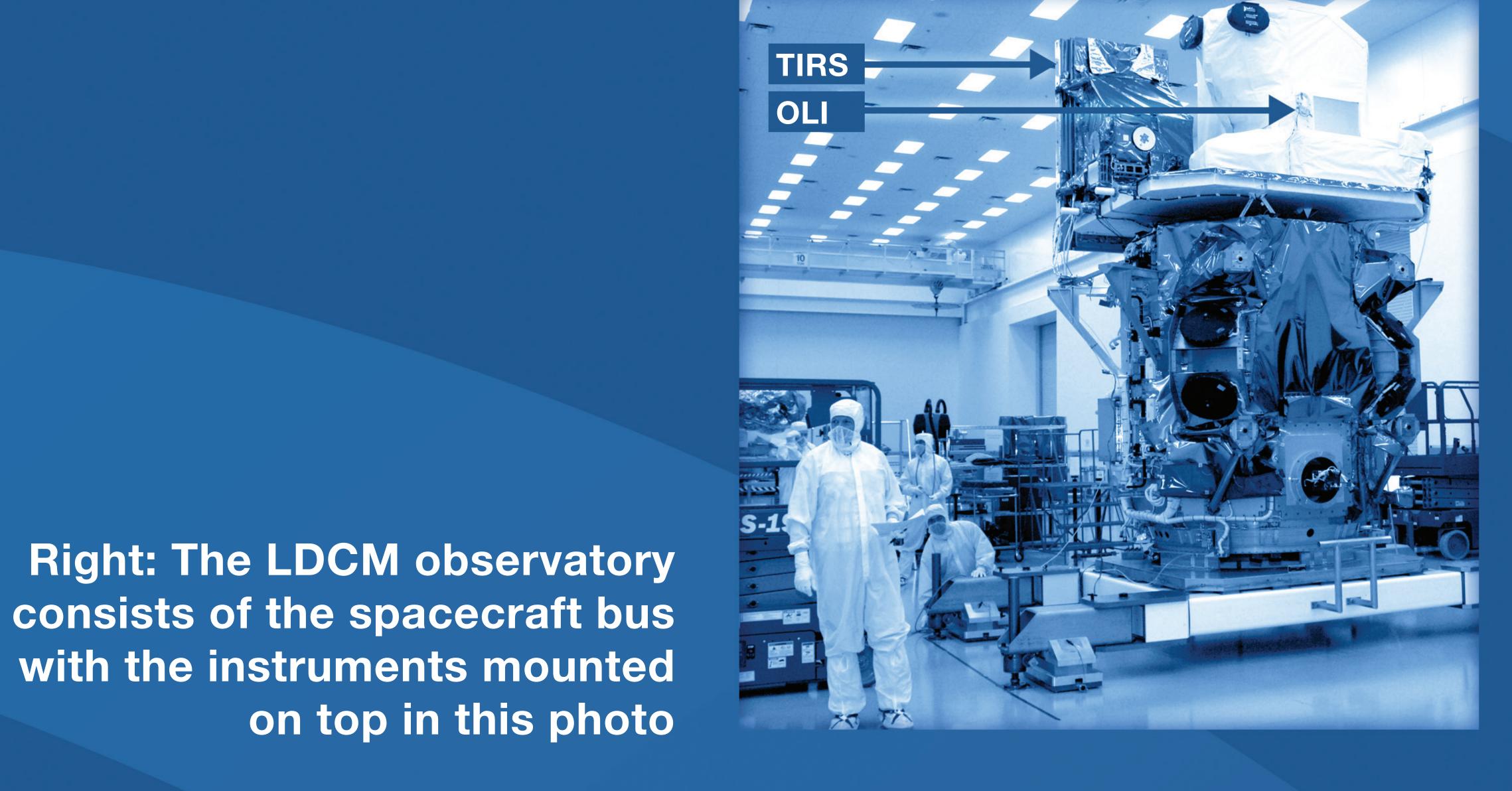
Sensing a Wealth of Scientific Data

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—Next in the line of Landsat Satellites





Science

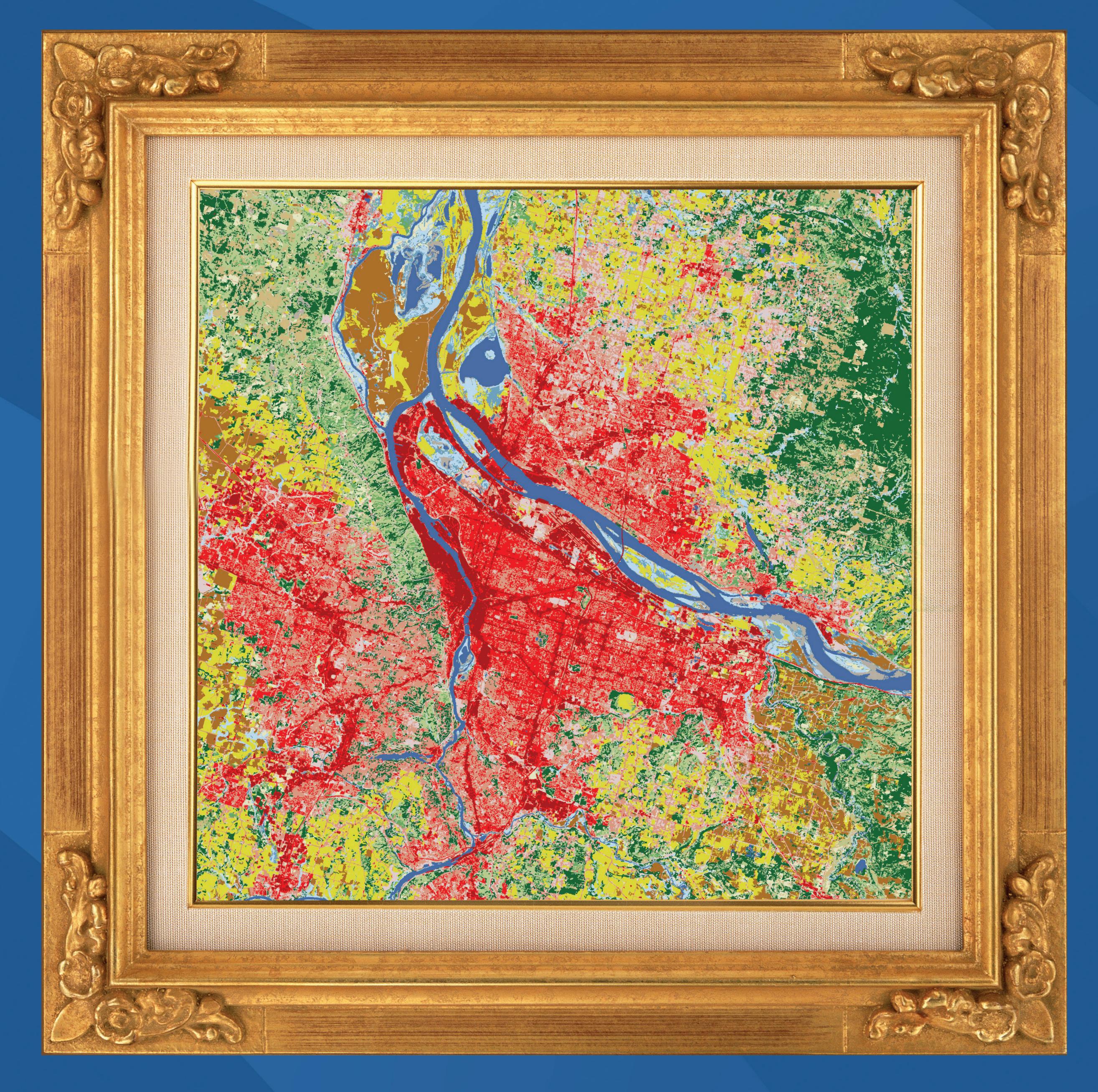
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Landsat Data Continuity Mission

