A comprehensive understanding of stratigraphic and geomorphic processes is necessary to sustainably manage and preserve landscapes. Environments, such as those shown in the following images, are complex and dynamic, requiring a holistic approach. Geomorphology, including glacial, fluvial, and lacustrine processes, plays a significant role in the formation of landscapes. Understanding these processes is crucial for effective landscape management and conservation.

The images illustrate current research and data visualization efforts conducted in collaboration with the Minnesota Geological Survey and other organizations. These efforts aim to improve our understanding of recent glacial and fluvial deposits, which is essential for sustainable development and conservation. The research and data visualization efforts are ongoing and involve multiple datasets, including aerial photographs, drone imagery, and geospatial data. This interdisciplinary approach is essential for addressing complex landscape dynamics and informing evidence-based decision-making.