# Software for HPC users

NCAR and CISL have developed and support a number of freely available software packages for visualization, data analysis, weather prediction, and high-performance computation. These include models that help researchers understand the impact of regional and global climate change, and tools and libraries for analyzing and visualizing data.

Software available on the HPC and data analysis systems that CISL operates also includes open-source and commercial third-party products used for programming, analysis, and file management tasks.

To determine which software modules are available on an individual computing resource, and for information about a system's unique user environment, consult the documentation for that resource at these links:

- Cheyenne user software
- Casper user software

Also, see these pages for information regarding software packages and tools that are available for use on our systems:

- Community models
- Data analysis and visualization
- Environment modules on Cheyenne
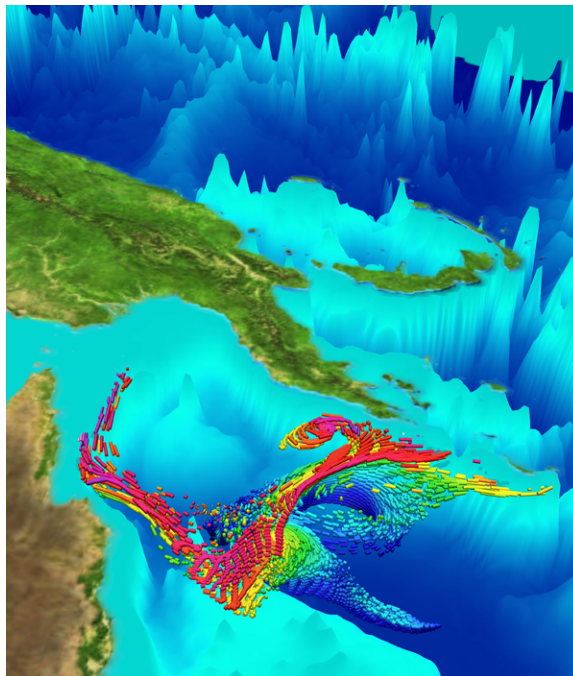- Tools for debugging, profiling, and optimizing code
- Utilities



Image from the CISL Visualization Gallery