SAGE is a user-centered platform for small groups or large distributed teams to access large-scale datasets from various sources and to visualize, share and investigate content on tiled displays. SAGE2 is a scalable adaptive graphics environment, developed with prior funding. With over 216 installations worldwide, SAGE2 and SAGE are having a transformative effect on data exploration and collaboration, making cyberinfrastructure more accessible to end users in both the laboratory and in the classroom.

**What is SAGE2?**
- Supports single PC as well as computer clusters
- Accessible via web browsers on laptops, tablets, and smartphones
- Enables multiple simultaneous screen sharing—e.g., push displays, individual windows, and documents
- Supports interactive and collaborative applications with SAGE2
- Supports non-technical applications, including those using GPU-enhanced tablets and smartphones
- Supports distributed collaboration through remote viewing and perfect local rendering
- A distributed open-source code
- Integrating science applications with SAGE2 (in progress), including:
  - Cytoscape: visualization and analysis of networks in bioinformatics
  - Cesium: visualization of complex geographic data
  - EMPeror: analysis and visualization of microbial ecology datasets
  - Cnturkey: visualization of complex geographic data
  - Cytoscape: visualization and analysis of networks in bioinformatics

**Future goals**
- Support integrative data visualization from multiple and diverse data sources
- Support Software Defined Networking (SDN) to optimize SAGE2 for large-scale collaborations and transport large data/media files among sites

**Timeline**
  - November 2015: "Ko'olau" Version 1 introduced
  - Global Community of SAGE2 Early Adopters

**SAGE/SAGE2 Sites from 2009-2015**
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