SAGE2™

Scalable Amplified Group Environment
Global Community of SAGE2 Early Adopters
"Beta" Version Introduced November 2014

What is SAGE2?

SAGE is defacto cyberinfrastructure middleware that supports over 160 ultra-resolution display systems globally to enable data-intensive collaboration. SAGE2 is a wholly new implementation of SAGE using state-of-the-art web and cloud technologies.

· Supports single PC walls as well as compute clusters.

· Accessible via web browsers on laptops, tablets and smartphones.

· Enables multiple, simultaneous screen sharing (push displays, individual windows, documents).

· Enables multi-user interaction and control.

· Supports native Javascript applications, including those using GPU-enhanced graphics.

· Supports distance collaboration through media sharing as well as perfect wall mirroring.

· All codes are distributed as open source.

· Support for integrated data visualization from multiple and separate data sources (future goal).

· Support for Software Defined Networking (SDN) to optimize SAGE2 collaborations and to transport large data/media files among sites (future goal).

LAVA
Laboratory for Advanced Visualization & Applications
University of Hawai'i at Manoa

evl
Electronic Visualization Laboratory
University of Illinois at Chicago

AUSTRALIA, University Sunshine Coast, Mechanical Engineering, CAVE2

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BRAZIL, University of Sao Paulo, Laboratory of Sustainability (LASSU)

CANADA, Simon Fraser University, IRMACS

CZECH REPUBLIC, CESNET and Czech Technical University, SAGElab

CZECH REPUBLIC, CESNET, Mobile SAGE (in progress)

CZECH REPUBLIC, Masaryk University, Institute of Computer Science (in progress)

ITALY & SWITZERLAND, University of Urbino and the ETH Zürich (in progress)

JAPAN, NTT Network Innovation Laboratories, Yokosuka

KOREA, Gwanju Institute of Science & Technology Networked Computing Systems Lab (in progress)

NETHERLANDS, SURFsara, Scientific Visualization Group, Collaboratorium

NEW ZEALAND, REANNZ: New Zealand Research and Education Network (in progress)

SOUTH AFRICA, University of Cape Town, Informatics and Visualization Lab, Scientific Computing Research Unit

TAIWAN, National Center for High-performance Computing (NCHC)

UNITED KINGDOM, Imperial College London, Data Science Institute (in progress)

USA, Catherine Cook School

USA, NASA Marshall Space Flight Center, SPoRT (in progress)

USA, University of California San Diego, Qualcomm Institute/Calit2, VROOM

USA, University of Hawaii at Manoa, Lab for Advanced Visualization and Applications (LAVA), Cyber-CANOE

USA, University of Hawaii at West Oahu, Academy for Creative Media (in progress)

USA, University of Illinois at Chicago, EVL, CAVE2

USA, University of Illinois at Chicago, EVL, Cyber-Commons

USA, University of Illinois at Chicago, EVL, ICE Lab

USA, University of Illinois at Chicago, EVL, Meeting Room

USA, University of Illinois at Chicago, EVL, PhD Room

USA, University of Illinois at Chicago, Pathology, Laboratory

USA, University of Illinois at Chicago, Pathology, Office