Brazilian SAGE Sites



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- SAGE Scalable Adaptive Graphics Environment
- Operating System software for organizing visualizations and information on scalable display walls to help researchers deal with problems of scale and complexity in their data.
- Streams visualizations from remote servers / supercomputers.
- Developed by University of Illinois at Chicago, Electronic Visualization Laboratory

Now Developing SAGE2™

Scalable Amplified Group Environment

- SAGE2 is a total rewrite of SAGE using web technologies
- Middleware to access, display, and share high-resolution digital media on scalable resolution display environments
- Multi-touch interaction (one or many people)
- Push laptop windows or laptop screens onto a wall



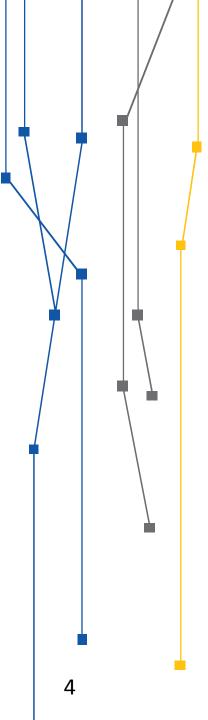




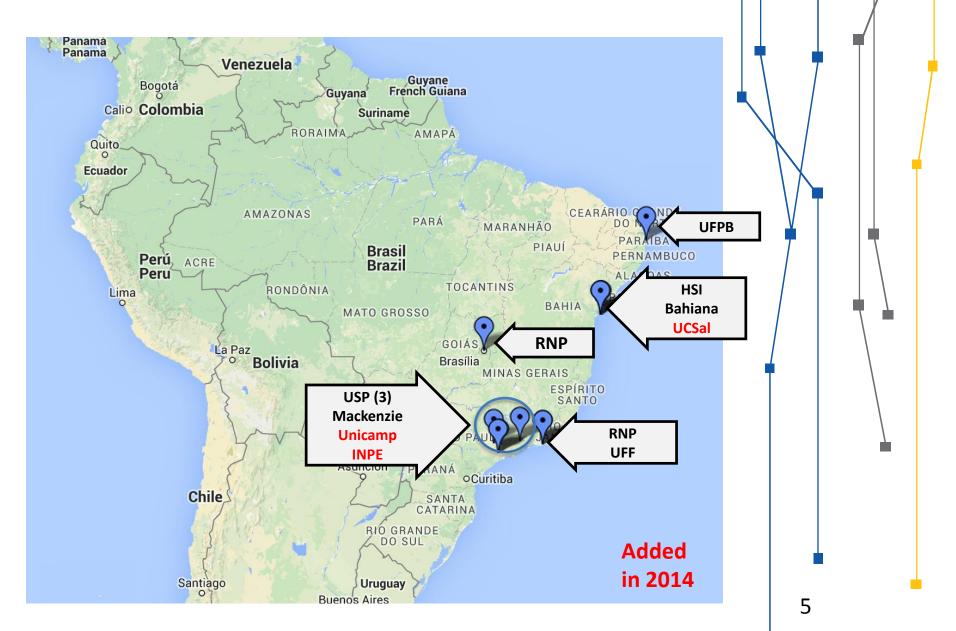
www.sagecommons.org

Brazilian SAGE Community

- Created around a RNP (Brazilian NREN) project to foster advanced visualization capabilities in Brazilian institutions
 - One institution selected for prototype development
 - SAGE 'Kit' specification
 - Creating Local Technical Expertise for supporting other institutions
 - SAGE Kits deployment at several institutions for testing with different use cases
 - First kits were deployed at pairs of institutions that already collaborated without SAGE walls, to foster collaborative usage.
 - Dissemination: Kit shown at National & International Conferences held in Brazil
 - Both conferences targeted Research Community and university CIOs
 - Support:
 - Documentation in Portuguese
 - Support through VideoConference/WebConference and SAGF itself



Brazilian SAGE Locations



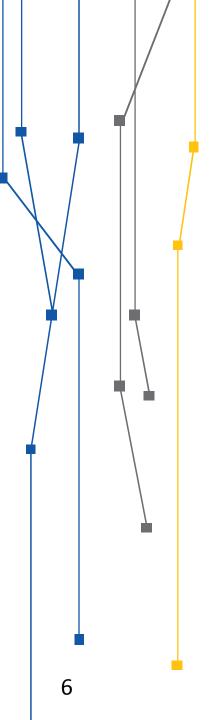
Some Milestones

2011

- Advanced Visualization RNP Project started in 2011
- LARC Laboratory at USP (U of São Paulo) selected for developing the prototype
- 1st Local demo at GLIF 2011 (Rio de Janeiro, Brazil)

2012

- 1st Call for Users: deployment of SAGE Kits to pairs of Institutions for collaborative use cases:
 - Remote Simulation
 - 4K Video
 - TeleMedicine
- Collaborative demos at RNP Workshop and RNP Forum (with remote participation by EVL/UIC)



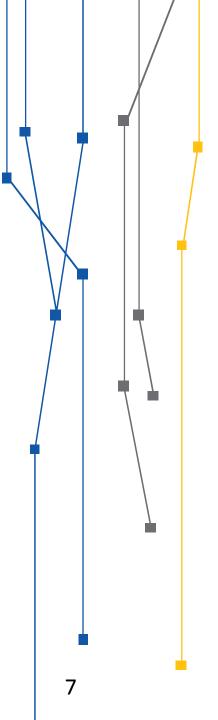
Some Milestones

2013

- Support and evaluation of Use Cases at 2012
 Institutions
- Deployment of new portals at USP and RNP
- Colaborative demo at RNP Workshop
- 1st Brazilian Community meeting (with remote presentation by EVL/UIC)

2014

- 2nd Call for Users
- 3 institutions selected. Use Cases: Weather Forecasting, Cinema, Geoprocessing
- 2nd Brazilian Community meeting

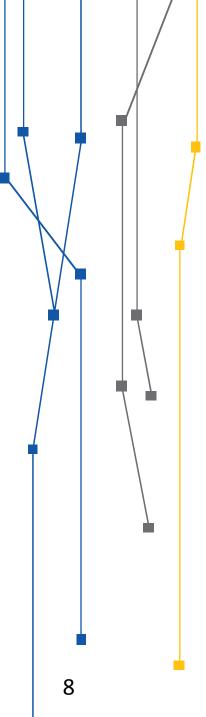


SAGE sites (1)

University of São Paulo (USP) - LARC

- Laboratory of Computer Architecture and Networks
- 4K Visualization, Development and Demonstrations



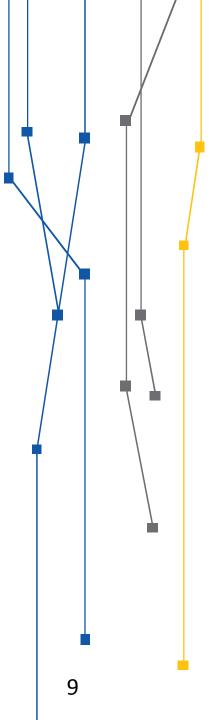


SAGE sites (2)

University of São Paulo (USP) – LASSU

- Laboratory of ICT Sustainability
- Classroom



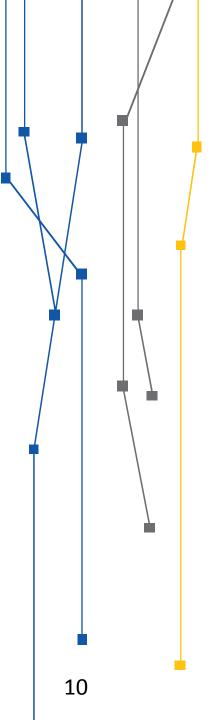


SAGE sites (3)

University of Sao Paulo (USP) - LASSU

- Laboratory of ICT Sustainability
- Multimedia Conference Room

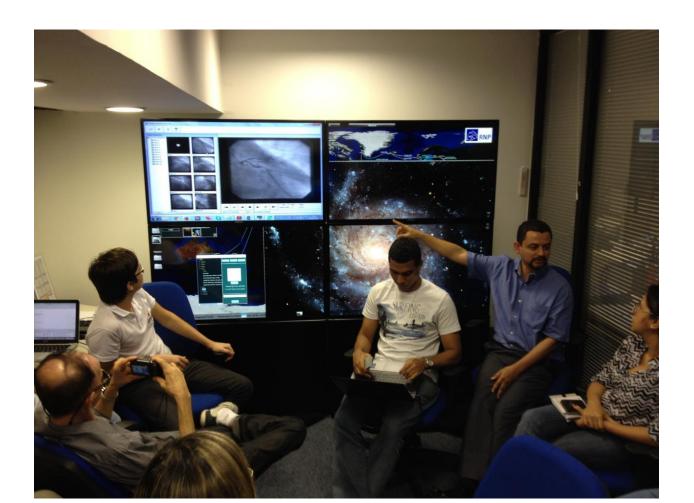


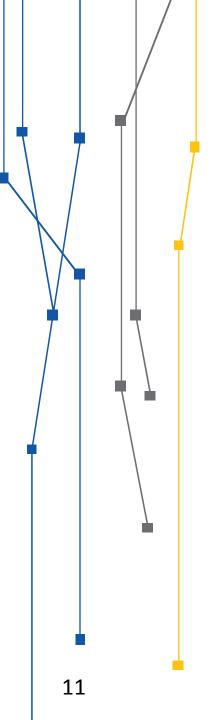


SAGE sites (4)

RNP - Rio de Janeiro

- Brazilian NREN headquarters
- Divulgation and demonstrations

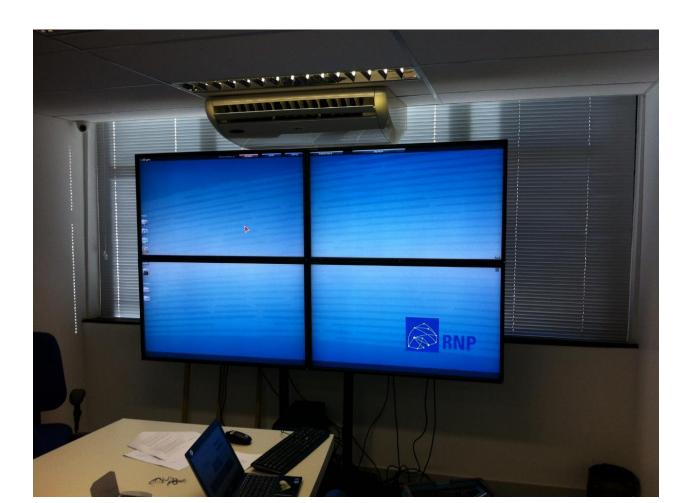


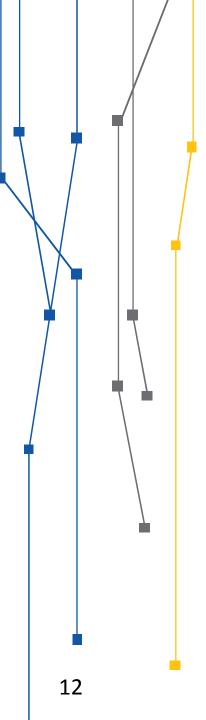


SAGE sites (5)

RNP - Brasilia

- Brazilian NREN branch in federal capital
- Divulgation and demonstrations



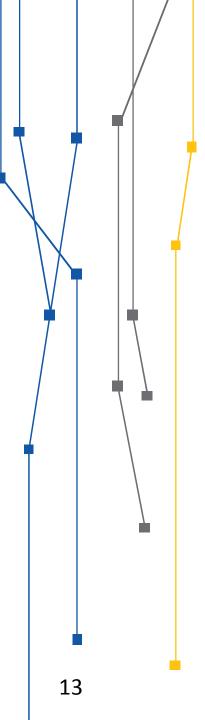


SAGE sites (6)

Fluminense Federal University (Niterói, RJ)

Games and Simulations Visualization



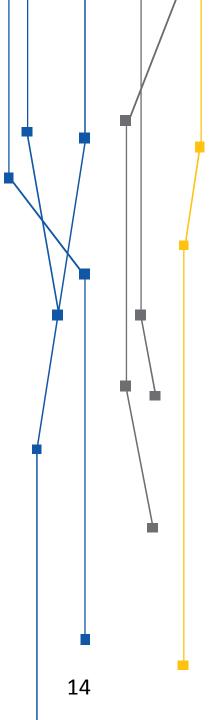


SAGE sites (7)

Mackenzie University – LabCine (São Paulo)

Cinema and visual arts





SAGE sites (8)

Bahiana School of Medicine and Public Health (Salvador, BA)

Telemedicine / medical education

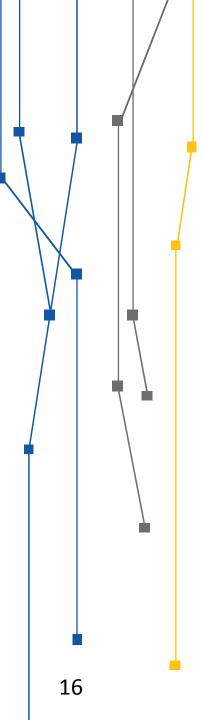


SAGE sites (9)

Santa Izabel Hospital (Salvador, BA)

Telemedicine / medical education



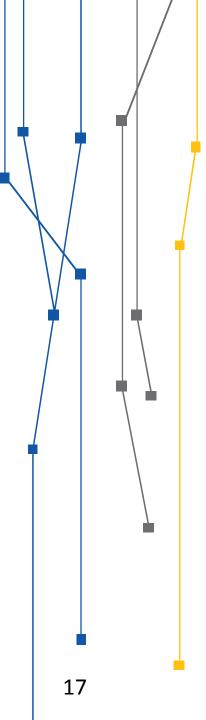


SAGE sites (10)

Federal University of Paraiba – UFPB (João Pessoa, PB)

- Video applications (including 4K)
- Telemedicine





Institutions Under Deployment

Institution		Usage	Wall
Unicamp	Campinas State University	Cinema	2 x 2
INPE	National Institute for Space Research	Weather forecast	2 x 2
UCSAL	Salvador Catholic University	Geoprocessing	4 x 2

2015

- Upgrade all sites to SAGE2
- Demonstration in a booth at Brazilian
 Computer Network Symposium (SBRC)
 2015

2014 demo at SBRC



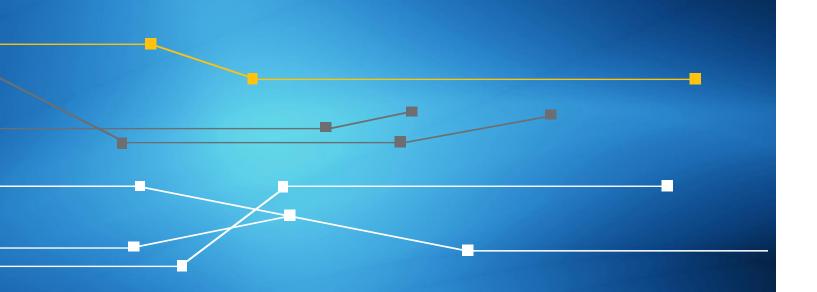


Sage2 Videos from EVL/UIC

PR - music - no text titles
 35 minutes, 24.6 MB, SAGE2 Trailer - Short - Happy.mp4
 https://uofi.box.com/s/2766tnxqcq3gbztivt0aysxbht9r0vw6

2. PR - music - with text titles that explain what is shown 1.23 minutes, 50.4 MB, SAGE2 Trailer - Long - Happy.mp4 https://uofi.box.com/s/0737ys8pxfp1xoau84l1kt1xuxemtqj2

voice-over; more educational
 2.33 minutes, 2.3 GB, SAGE2-9-DRAFT-021315.mov
 https://uofi.box.com/s/9poqik4u6gpx2mhisis75wsrj4bcks0g



Thank you! michael@rnp.br

For more information: www.sagecommons.org



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