

# Sakai Overview

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Sakai Foundation Board of Directors  
JA-SIG Board of Directors  
JISC Committee for the Integrated Information Environment (JIIE)

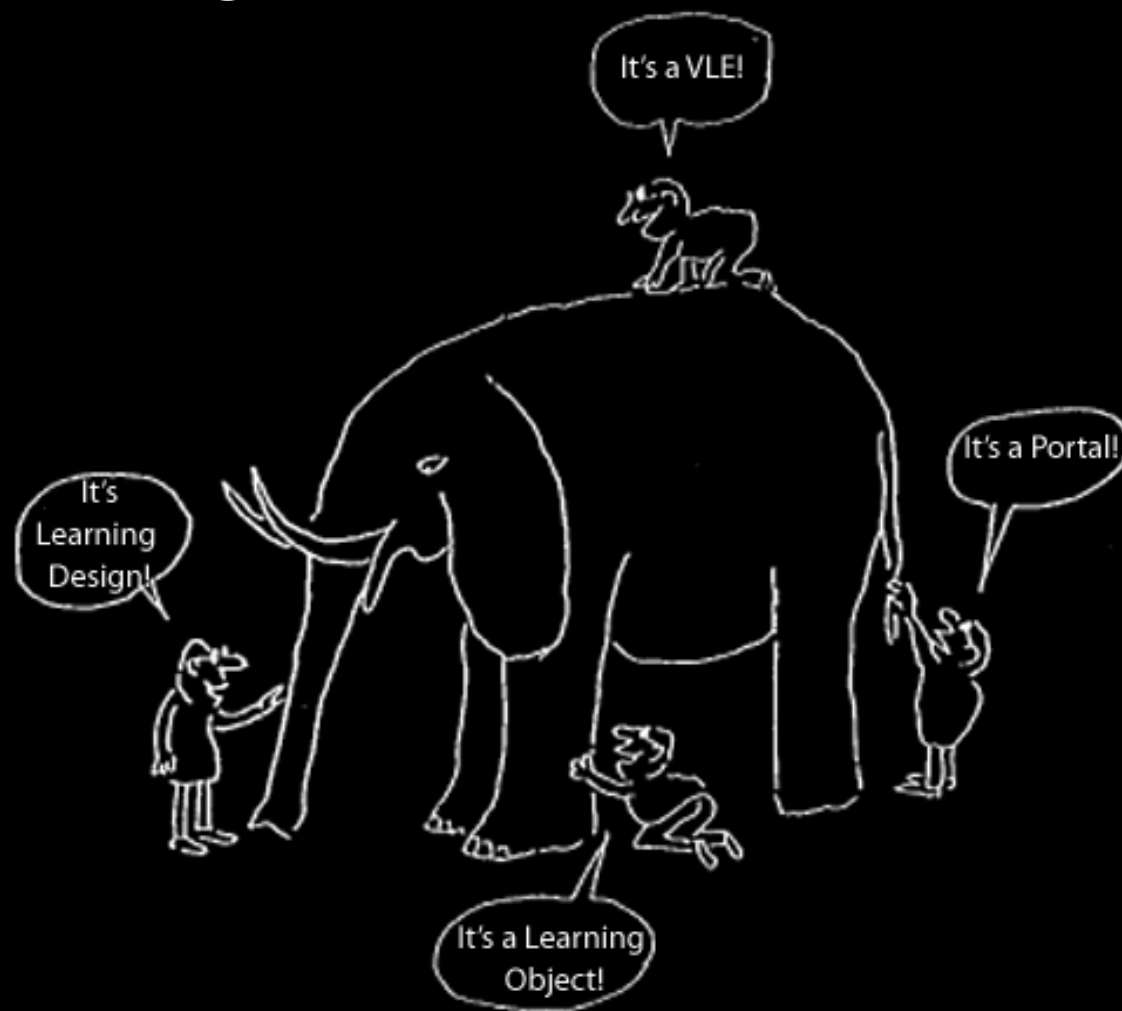
<http://www.sakaiproject.org/>

# The point is ... ?

- Not to sell you Sakai
- Not to engage in VLE "religious wars"
- To help those not involved in communities represented discover a little more
- To begin/continue a dialogue between the communities concerned

... We have a great deal in common

# The eLearning Elephant - A Cautionary Tale



# What is Sakai?

- A **project**—an initial grant for two years
- A **community** and **foundation**—a group of people and resources supporting the code and each other
- A collaboration and learning **product** with:
  - A set of **tools**—written and supported by various groups and individuals—which have been tested and released as a unit
  - An extensible **framework** for supporting collaboration—providing basic capabilities to support a wide range of tools and services

# The Sakai Project

## A Short History ...

# The Sakai Project

The University of Michigan, Indiana University, MIT, Stanford, the uPortal (JA-SIG) Consortium, and the Open Knowledge Initiative (OKI) are joining forces to integrate and synchronize their considerable educational software into a *pre-integrated collection of open source tools*.



**Sakai Project receives \$2.4 million grant from Mellon**

# The Sakai Project

- Each of the 4 Core Universities Commits
  - 5+ developers/architects, etc. under Sakai Board project direction for 2 years
  - Public commitment to implement Sakai
- Overall project levels
  - \$4.4M in institutional staff (27 FTE)
  - \$2.4M Mellon, \$300K Hewlett
  - Additional investment through partners

# Open Source and Community Source

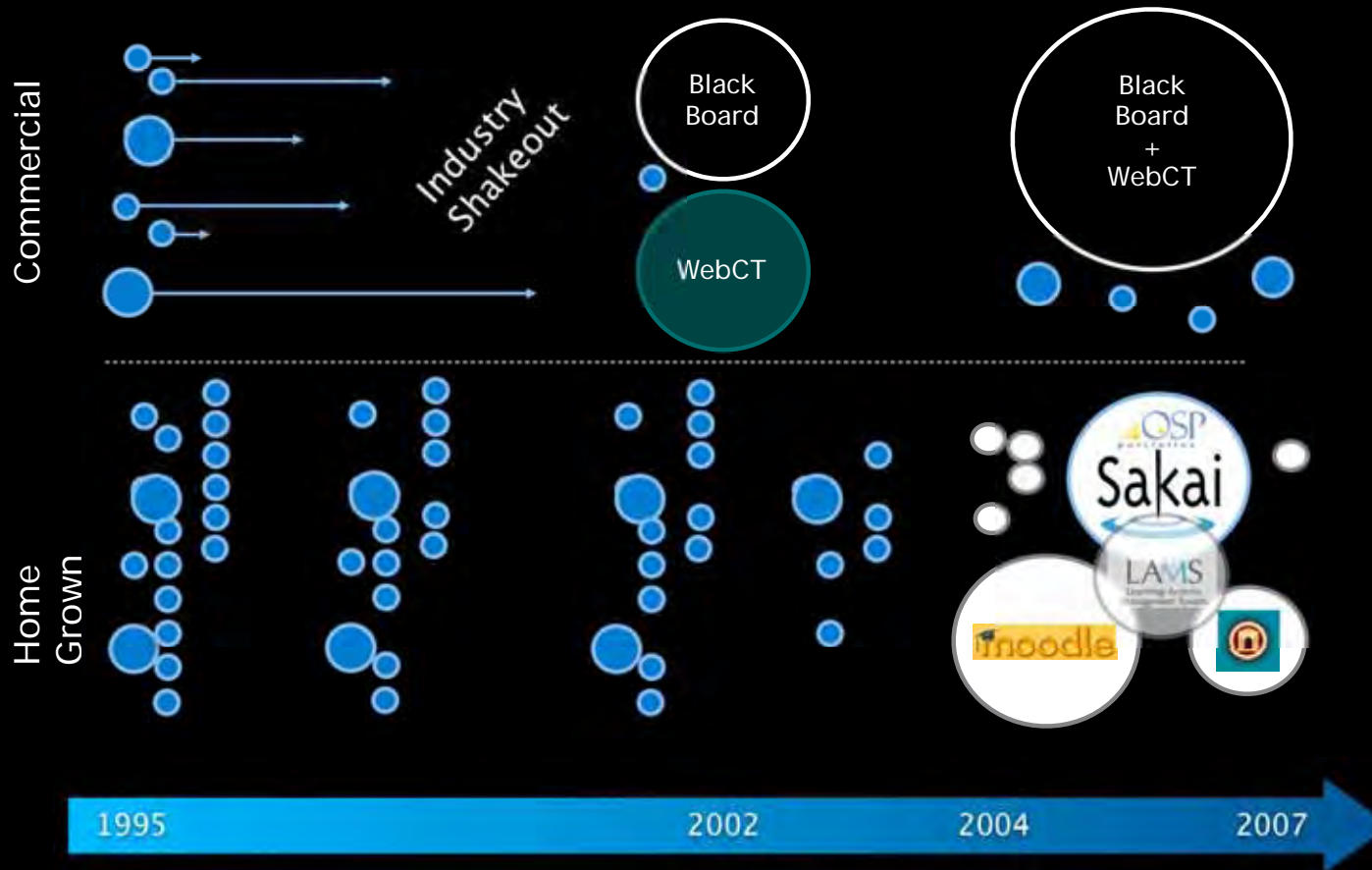
- Sakai uses an "Open/Open" License - the ECL
- Encourages commercial involvement
  - Can take the code, incorporate into product and sell that product - attribution required
  - uPortal - SunGard/SCT "Luminis" product example
- ... and commercial back-contribution
- Sakai has greater central co-ordination than "straight" OS project



# Sakai Foundation

- Formed as a non-profit corporation to support, sustain, and promote Sakai.
- Initial foundation board is the Sakai project board with open nominations and election for three retiring Sakai board members.
- Annual budget of \$1M from member contributions
  - Expect to have 4-6 staff positions funded by the Foundation (mainly coordination/admin)
  - Support two conferences per year at 100K each
- Membership fee is \$10,000 per year for educational institutions, non-profits, or commercial partners.

# Consolidation & Connection



# Sakai Members

Albany Medical College	Monash University	University of California, Los Angeles
Arizona State University	Nagoya University	University of California, Merced
Australian National University	New York University	University of California, Santa Barbara
Boston University School of Management	Northeastern University	University of Cambridge, CARET
Brown University	North-West University (SA)	University of Cape Town, SA
Carleton College	Northwestern University	University of Colorado at Boulder
Carnegie Foundation for Advancement of Teaching	Ohio State University	University of Delaware
Carnegie Mellon University	Portland State University	University of Hawaii
Ceritos Community College	Princeton University	University of Hull
Coast Community College District	Rice University	University of Illinois at Urbana-Champaign
Columbia University	Ryerson School of Architecture and Design	University of Missouri
Cornell University	Roskilde University (Denmark)	University of Michigan
Dartmouth College	Ryerson University	University of Minnesota
Florida Community College at Jacksonville	Simon Fraser University	University of Missouri
Foothill-De Anza Community College	Stanford University	University of Nebraska
Franklin University	State University of New York	University of North Texas
Georgetown University	Stockholm University	University of Oklahoma
Harvard University	SURF/University of Amsterdam	University of South Africa (UNISA)
Hosei University IT Research Center	Syracuse University	University of Texas at Austin
Indiana University	Texas State University - San Marcos	University of Toronto, Knowledge Media Design Institute
Johns Hopkins University	Tufts University	University of Virginia
Lancaster University	Universidad Politecnica de Valencia (Spain)	University of Washington
Loyola University, Chicago	Universitat de Lleida (Spain)	University of Wisconsin, Madison
Lubeck University of Applied Sciences	University College Dublin	Virginia Polytechnic Institute/University
Maricopa County Community College	University of Arizona	Whitman College
Marist College	University of California, Office of the Chancellor	Yale University
MIT	University of California Berkeley	University of California Berkeley
	University of California, Davis	

100 and Growing

# Sakai Commercial Affiliates



IBM®



embanet  
Relief for your e-Learning Headaches™



PEARSON  
Education



Sun  
microsystems



UNISYS



just students  
e-Learning Solutions



the r•smart group



HarvestRoad.



Ostr@kon



SUNGARD®  
SCT • HIGHER EDUCATION



UNICON



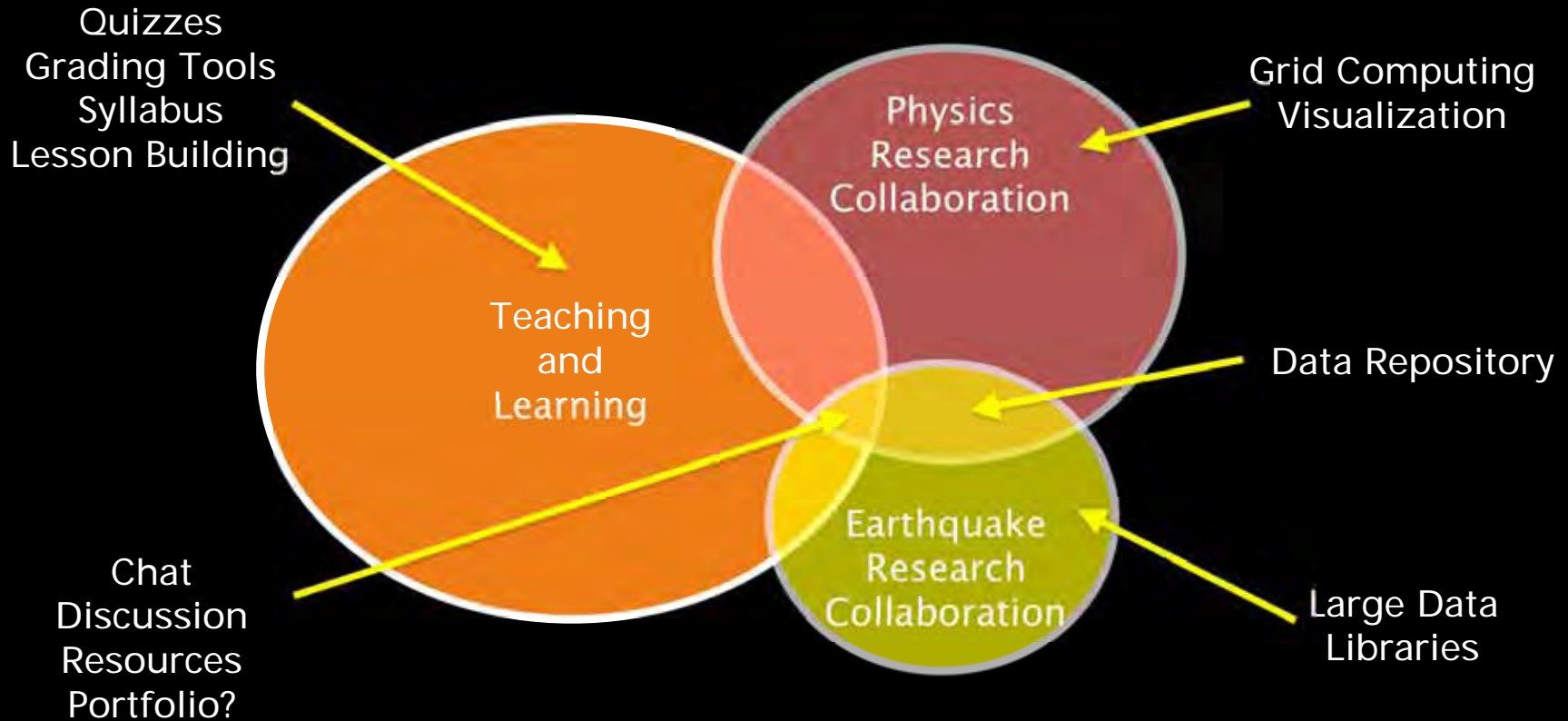
Apple

# The Sakai Product

A Collaborative Learning Environment—  
Suitable for use in teaching and learning,  
research collaboration, and ad hoc group  
communication

# Teaching and Research Collaboration

## Requirements Overlap



# Sakai 2.1 Tools

Announcements

Assignments

Chat Room

Threaded Discussion

Drop Box

Email Archive

Gradebook

Melete - Course Builder

Message Of The Day

News/RSS

Portfolio

Preferences

Presentation

Profile / Roster

Resources

TwinPeaks - Repository Search

Samigo - QTI Assessment

Schedule

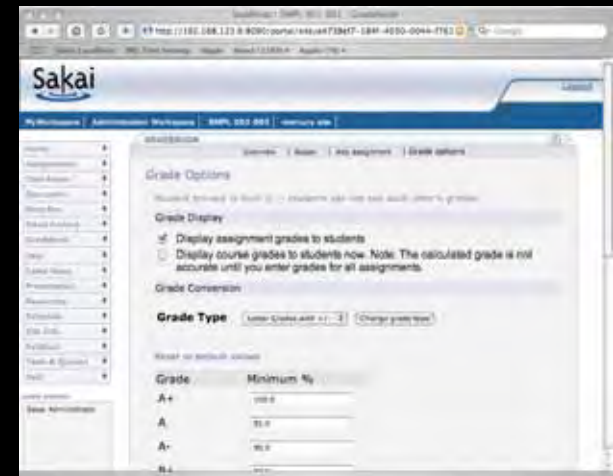
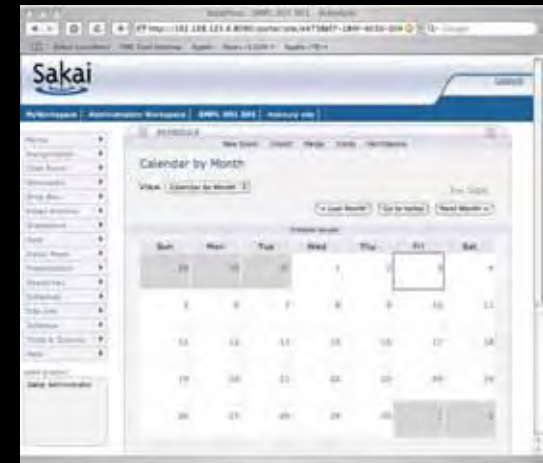
Section Management

Syllabus

Web Content

Worksite Setup

WebDAV



# Sakai in Production

c150,000 current

c300,000 new year

c500,000 mid 2006

Google: "powered by sakai"

# Sakai Adoption Plans

- Foothill Community College
- Boston University School of Management
- Carleton
- Johns Hopkins University
- Lubeck University of Applied Sciences, Germany
- Massachusetts Institute of Technology
- Northwestern University
- Stanford University
- University of California, Berkeley
- University of Cape Town, SA
- University of Lleida, Spain
- University of Missouri
- University of Virginia
- Whitman College



<https://www.indiana.edu/~sakaikb/display.cgi?docid=aprd>

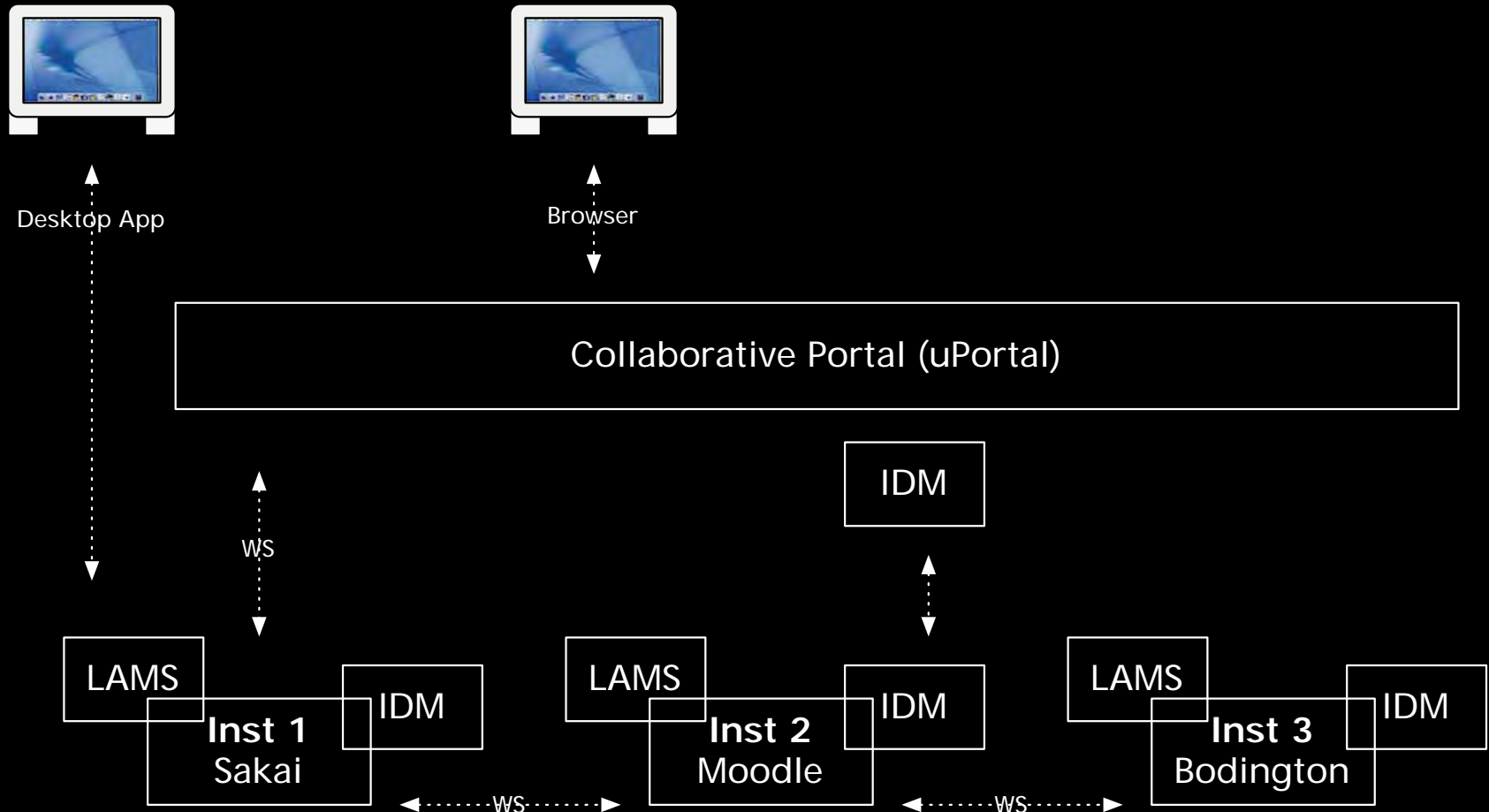
# Skills & Technology

- Java, designed for enterprise deployment
  - Not to say some other technologies aren't!
- Databases: Hypersonic (Quickstart), Oracle, MySQL, others being adapted
- Sakaiscript - integration toolkit
- Web Services endpoints
  - Interesting prospect:  
Pluggable JISC eL Programme tools?
  - Accomodating "long tail" specialist tools

# Current Directions

- Improving and refining tools & framework
  - Alternatives - threaded discussion tools
  - New tools - Synchronous comms (Lancaster)
- Personalisation and presentation
  - Only scratched surface of uPortal Integration
  - Integration with desktop tools ("PLE")
- Specifications and Standards
  - Work in progress
  - IMS Tools Interoperability work

# Multi-Institution Scenario



# Sakai at Hull

- Used in a JISC Virtual Research Environment Project
  - Collaborative (Hull + UEA) taught Masters - History
- Examining possibility of replacing home grown VLE
  - Early Stages
- Evaluating against our current commercial VLE
  - Most uses of which are pretty basic
- Interested in exploring V\*E / portal boundaries
  - 2 year deployment of uPortal

# So what's that again?

- We need flexible and extensible environments
  - eLearning still evolving (rapidly):  
Who best influences that evolution?
- "Personalisation" and "Personal" will feature
- Focus on \*practical\* interoperability  
Has the "standards industry" delivered?
- Spend the day kicking each other's tyres

Seasons greetings: "God bless OSS, every one"



# Sakai: More Information

- Main site: [www.sakaiproject.org](http://www.sakaiproject.org)
  - Bugs: [bugs.sakaiproject.org](http://bugs.sakaiproject.org)
- Sakai-wide collaboration area
  - [collab.sakaiproject.org](http://collab.sakaiproject.org)
  - [sakai-dev@sakaiproject.org](mailto:sakai-dev@sakaiproject.org)
  - [sakai-user@sakaiproject.org](mailto:sakai-user@sakaiproject.org)
- [i.dolphin@hull.ac.uk](mailto:i.dolphin@hull.ac.uk)  
<http://www.hull.ac.uk/esig/>