

# Academic Networks and OpenSocial

Dr Ian Boston

CTO Caret, University of Cambridge

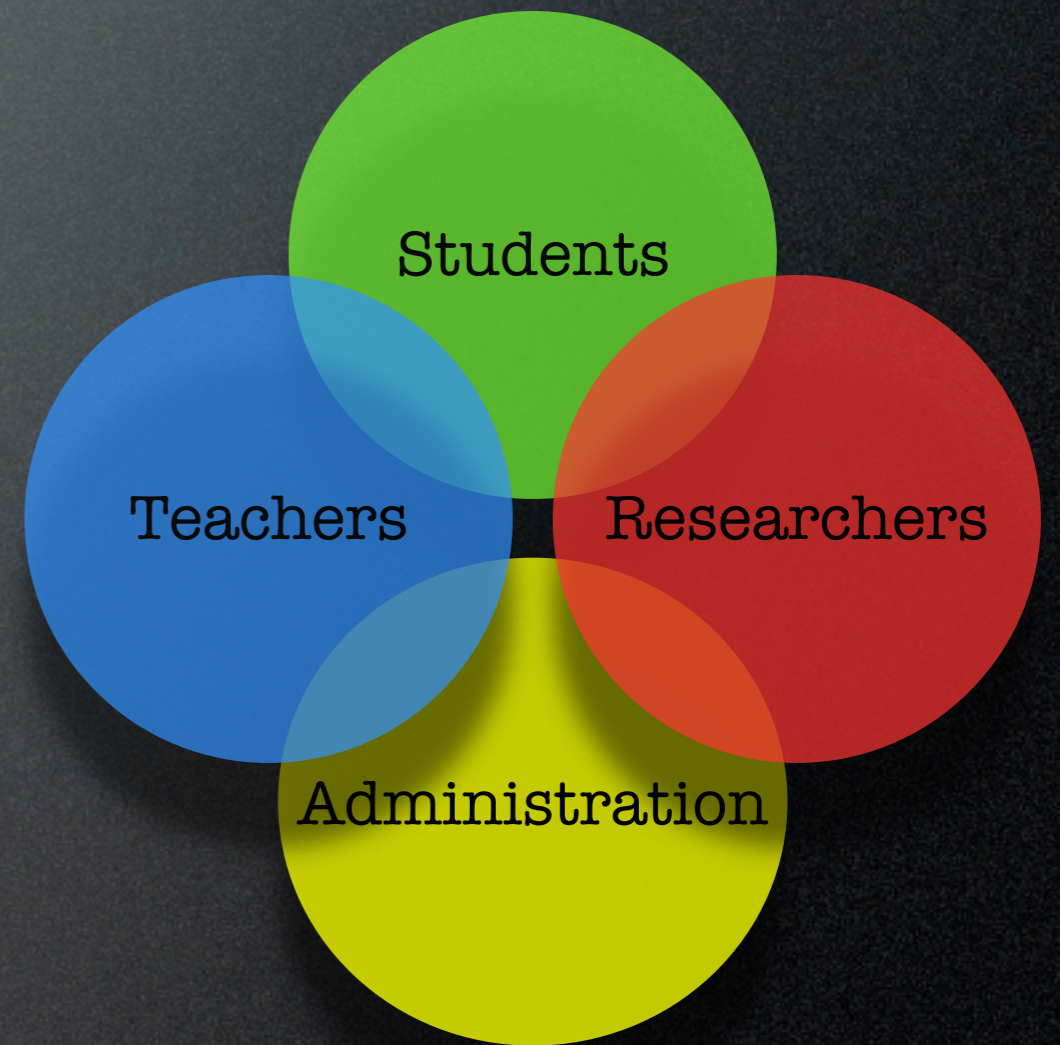
Apache Member, Sling PMC, Shindig PMC  
Sakai Foundation Board. Chief Architect Sakai.

# What is Sakai

- Collaboration Environment for Education
- Open Source, built by Educators for Educators
- One of a community of Open Source projects. (Kuali, Vivo, Zotero)
- Sakai Open Academic Environment is the second generation of the product.

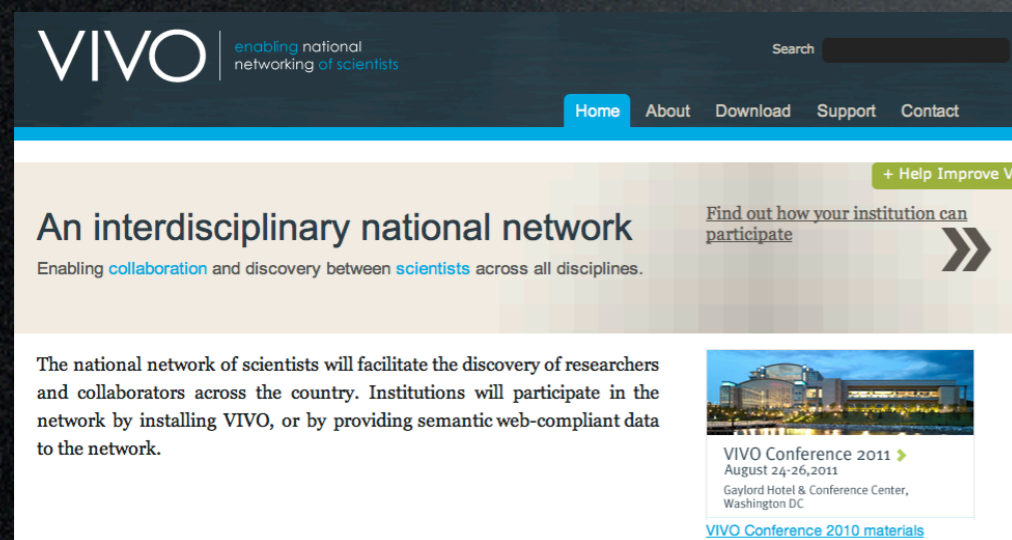
# Academic Networks

- Enriched relationships
- Alternative motivation
- Interdisciplinary  
Inter-institutional



# Vivoweb

- Open Source, semantic web app, for discovery of research and scholarship
- Linked Data, Interdisciplinary, Cross-institutional



The screenshot shows the VIVO website homepage. The header features the VIVO logo with the tagline "enabling national networking of scientists" and a search bar. Navigation links include Home, About, Download, Support, and Contact. A main banner reads "An interdisciplinary national network" with the subtext "Enabling collaboration and discovery between scientists across all disciplines." A call to action says "Find out how your institution can participate" with a right-pointing arrow. Below this, a paragraph states: "The national network of scientists will facilitate the discovery of researchers and collaborators across the country. Institutions will participate in the network by installing VIVO, or by providing semantic web-compliant data to the network." A featured event box for "VIVO Conference 2011" is shown, dated August 24-26, 2011, at the Gaylord Hotel & Conference Center in Washington DC, with a link to "VIVO Conference 2010 materials".



A collection of logos for institutions participating in the VIVO network. The logos are arranged in two columns. The left column includes Cornell University, Indiana University, and The Scripps Research Institute. The right column includes the University of Florida, Washington University in St. Louis School of Medicine, and Weill Cornell Medical College.

# Profiles

- Community Source, developed @Harvard
- Enhanced Metadata, Visualizations

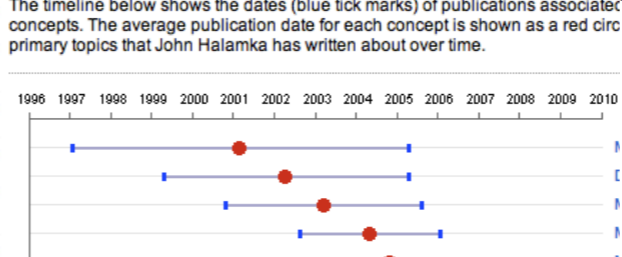
**John David Halamka, M.D.**

Concepts (80)

Concepts are derived automatically from a person's publications.

[Concept Cloud](#)
[Categories](#)
[Timeline](#)
[Details](#)

[Medical Records Systems, Computerized](#)  
[Patient Identification Systems](#)  
[Information Management](#)  
[Regional Medical](#)



**John David Halamka, M.D.**

SimilarPeople (60)

Similar people share similar sets of concepts, but are not necessarily co-authors.

[List View](#)
[Map View](#)
[Details](#)

**Red markers** indicate people similar to John David Halamka, M.D.  
**Blue lines** connect people who have published papers together.

Zoom: New England | Route 128 | Boston | Longwood | Beacon Hill (MGH)

**Concepts**  
[Medical Records Systems, Computerized](#)  
[Patient Identification Systems](#)  
[Information Management](#)  
[Regional Medical Programs](#)  
[Hospital Information Systems](#)  
[See all \(80\) concepts](#)

**Co-Authors**  
[Bates, David](#)  
[Kohane, Isaac](#)  
[Mandl, Kenneth](#)  
[Safran, Charles](#)  
[Schwartzstein, Richard](#)  
[See all \(20\) people](#)

**Similar People**  
[Bates, David](#)  
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[Simon, Steven](#)  
[Blumenthal, David](#)  
[Mandl, Kenneth](#)  
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[Poon, Eric](#)  
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**Same Department**  
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[Fisher, Jonathan](#)  
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**HARVARD CATALYST**  
 THE HARVARD CLINICAL AND TRANSLATIONAL SCIENCE CENTER

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**Grant Central**  
 Grant Central connects you to funding opportunities, helps you find new collaborators, and manages the grant-writing process.

# Sakai OAE


- An environment for collaboration in education and research
- Fostering and encouraging connections

Thermonuclear Quantum Physics

13 new things have happened | Used in 24 places by 13 people | Anyone with the link can see this

Viewed 12 times

Share



00:00 | 00:00

Delete | Upload | Download

Details: This is official course syllabus for the Thermonuclear Quantum ...  
Tags: Physics, Albert Einstien, Gravity, Thermonuclear, Quantum ...

Rate this: Your rating: ★★★★★ | Average: ★★★★★ (88)

Comments:

- Florencia Coretez | Posted: Dec 23, 2010
- Florencia Coretez | Posted: Dec 23, 2010
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Home | Content | Groups | People | Directory

Admin User | (0) | My preferences | Sign out

Search for content, people and groups

Admin User | Edit Profile | My personal pages | Available to Chat

What are you doing now? | Update

My Groups: You are not currently a member of any groups

My Profile: Admin User | Chat Status: Available

My recent contacts: Unable to contact the server. Please try again later.

My recent content: You do not currently manage any content.

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Home | Content | Groups | People | Directory

Bert Pareyn | (0) | My preferences | Sign out

Search for content people and groups

test | Help with groups

Welcome to your new group page

Widgets give you an overview of a group | What is a group? | ...and what is else can I do with this page?

Below are 3 examples of widgets, you can add more by inserting them with the "Edit page" drop down at the right of this page

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Group Name | Edit profile

Summary Completely impact multifunctional | 37 Tags | Auto saved at 21:00:00 | Don't save | Save

Display settings

Choose which display style you want to use

Large | Thumbnail

Include:
 

- Name or title
- Extra details about your content
- Download link

Layout:
 

- Verticle
- Horizontal

You can change these settings once it's added to the page

Back to selection | I'm done, add it

Page location: /Entity/researchthis/\_pages/introduction

# Encouraging Connections

Profiles

Collaboration

Groups

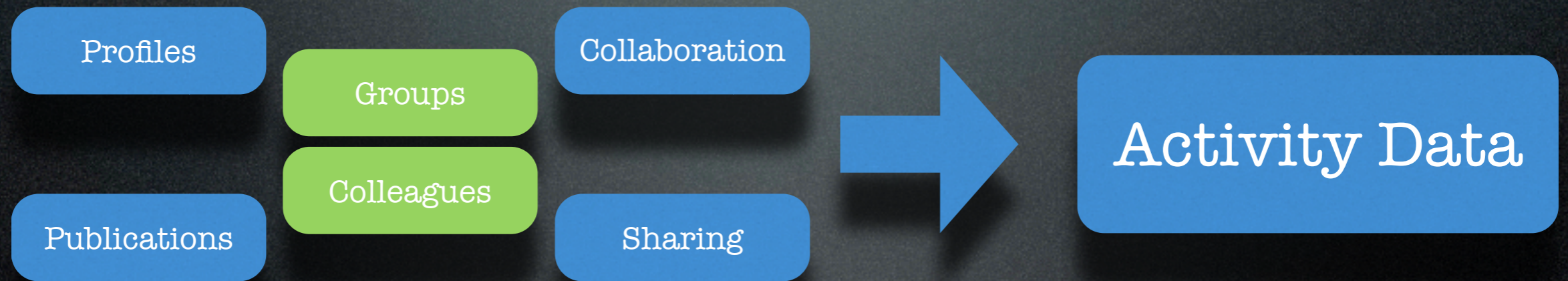
Colleagues

Publications

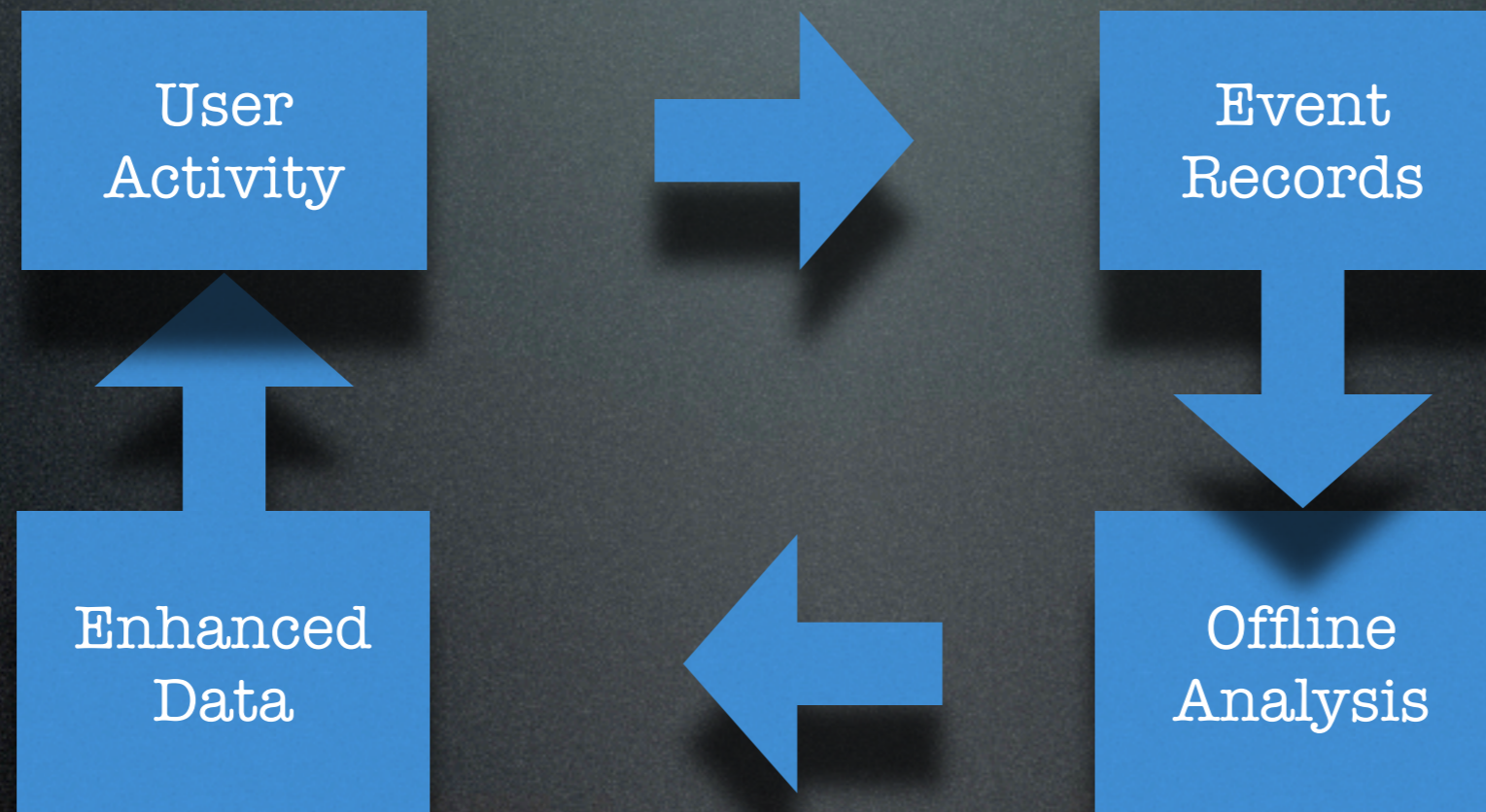
Sharing



# Data Gathering



# Improving Experience

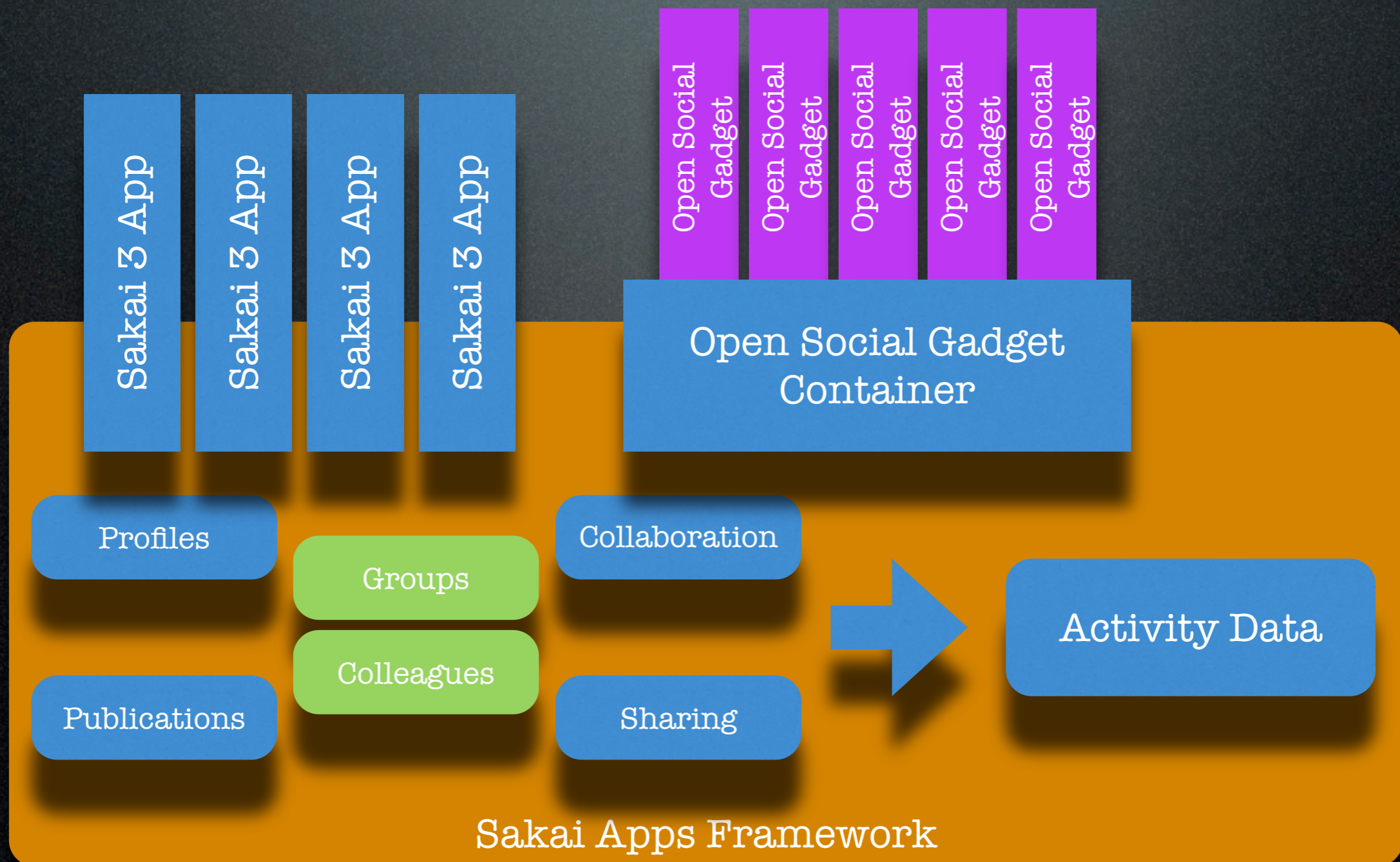


# Architecture

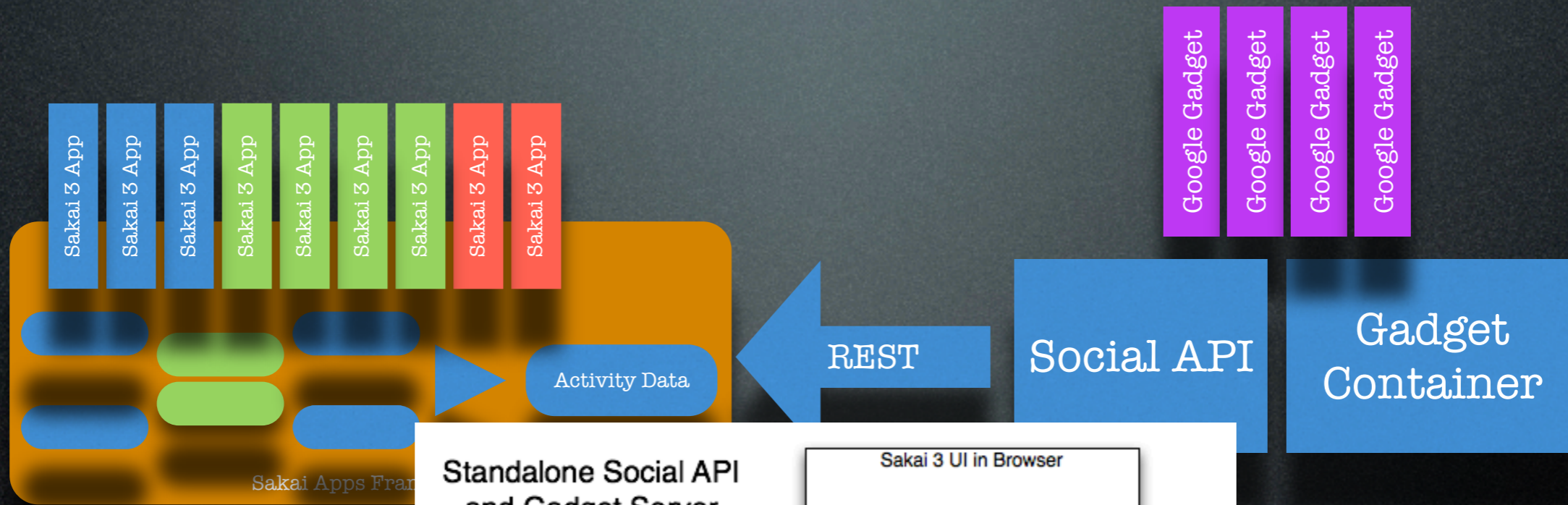
## HTTP REST + JSON



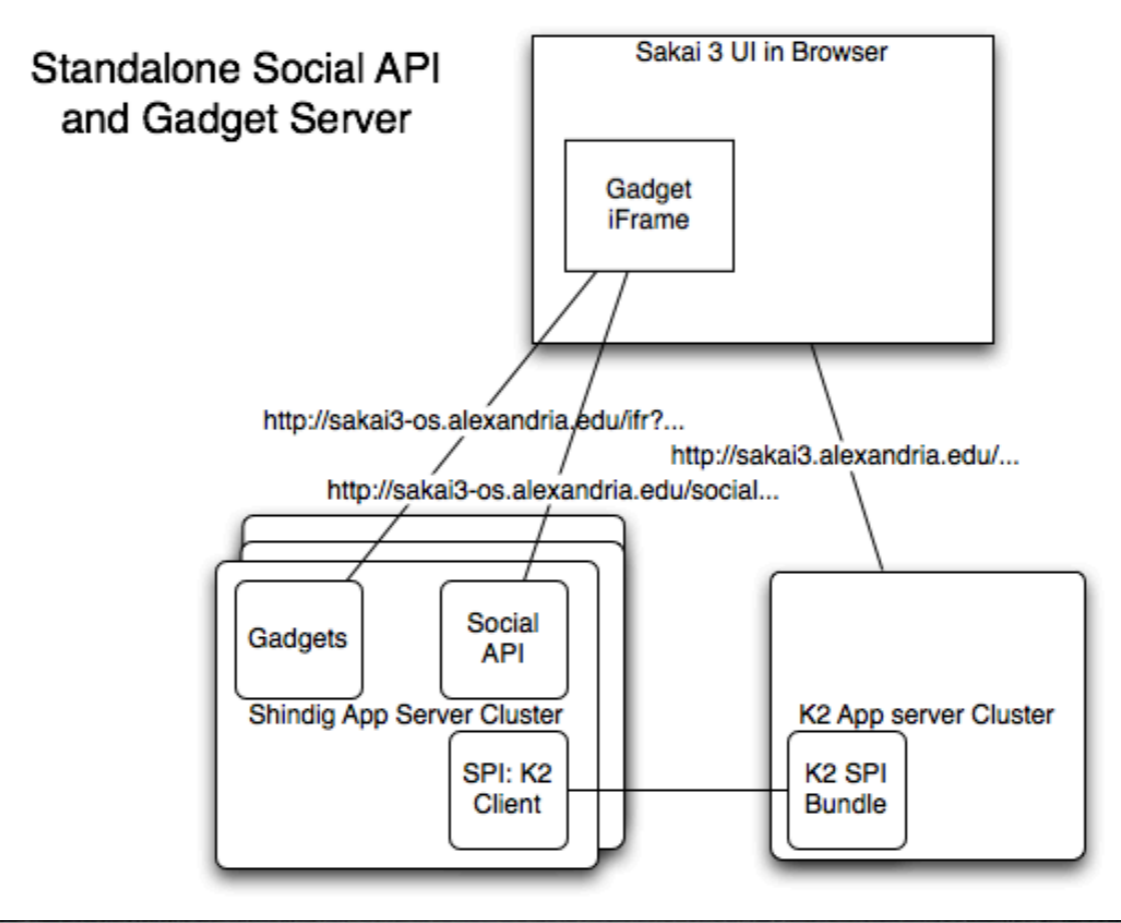
# Academic Apps



# Gadgets and Open Social



Sakai Apps Framework



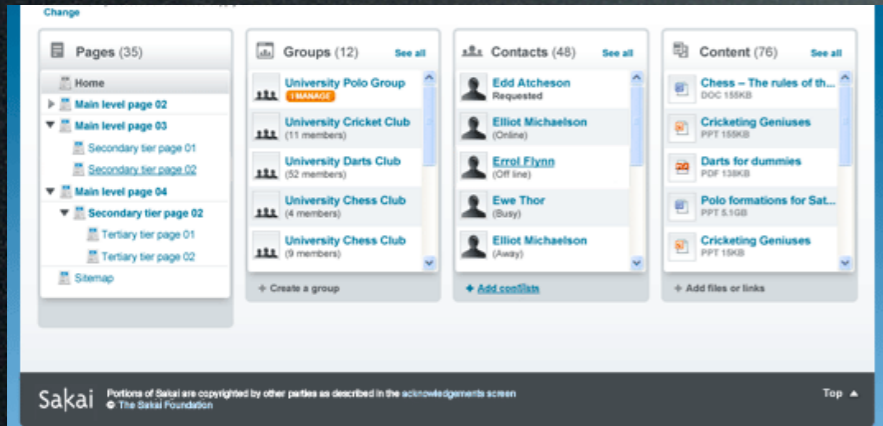
Client

Server

# Why Not 100% Gadgets ?

- User Experience
  - iFrames, Accessibility, Usability
- Why not Caja ?
  - 100% Client side, no spare browser perf
- Non iframe Gadgets, possibly, but hard

# Why Gadgets at all ?

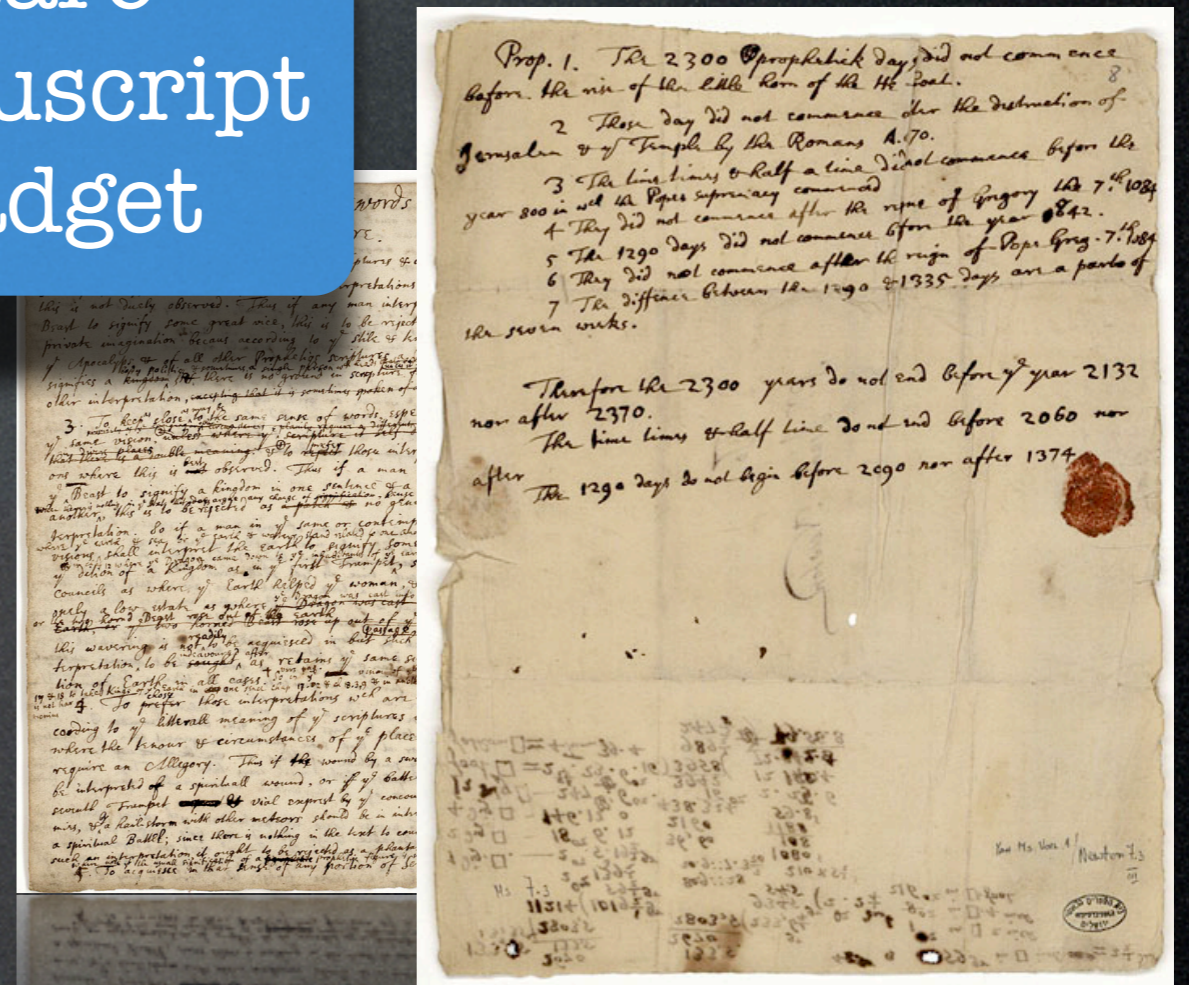


## University of Cambridge Library

Rare Manuscript Gadget

Camtools

Central IT



Questions ?