Open Apereo 2014
Innovate - Incubate - Implement

The Development and Current Situation of Sakai in China

Fudan Univesity, GAO Jun
gaojun@fudan.edu.cn

Fudan University (复旦大学)

- Founded in 1905 in Shanghai

- One of the top universities in China

- Students

  - Undergraduates: 14000+

  - Postgraduates: 14000+

  - Foreign: 3000+

GAO Jun (高珺)

PM of Fudan Sakai System

zh_CN Locale Maintianer

PM of Sakai Fudan Branch

System Manager, DBA,

Developer, Tester, Translater,
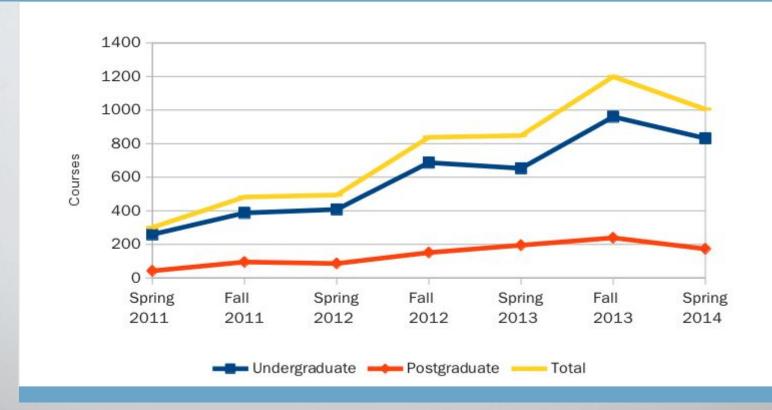
Documentation, Training,

Helpdesk...

Sakai in Fudan University

- http://elearning.fudan.edu.cn

  - Since Summer 2010, with native LMS
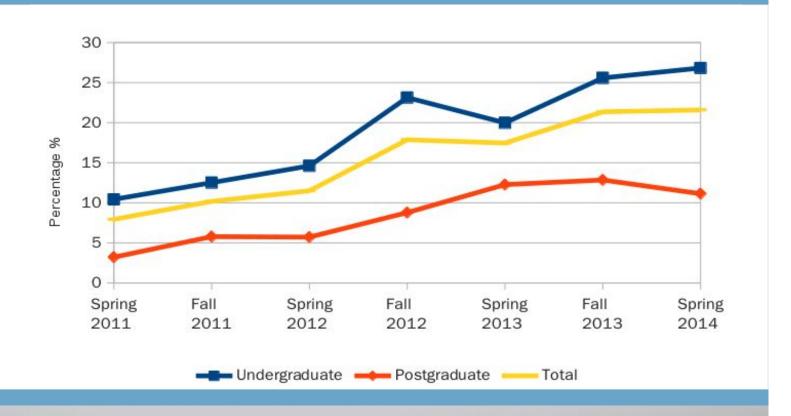
  - Replace native LMS since Spring 2011

Trend – Courses

Trend – Percentage

Trend – Data

Semester	Undergraduate			Postgraduate			Total		
	Course	Sakai	%	Course	Sakai	%	Course	Sakai	%
Spring 2011	2482	259	10.43	1308	42	3.21	3790	301	7.94
Fall 2011	3089	387	12.52	1643	95	5.78	4732	482	10.18
Spring 2012	2792	408	14.61	1501	86	5.72	4293	494	11.5
Fall 2012	2970	687	23.13	1719	151	8.78	4689	838	17.87
Spring 2013	3267	653	19.98	1588	195	12.27	4855	848	17.46
Fall 2013	3752	960	25.58	1859	239	12.85	5611	1199	21.36
Spring 2014	3101	832	26.83	1553	173	11.13	4654	1005	21.59

Contribution

- 146 JIRA issues

- Patches included

- Reporter of highest issue quantity since 2014

STATISTICS: ISSUES SINCE 2014 (REPORTER)

Gao Jun	94	7%
Matthew Buckett	87	6%
Matthew Jones	86	6%
Kent Fitzgerald	65	5%
Sam Ottenhoff	60	4%
Beth Kirschner	59	4%
Neal Caidin	50	3%
David Haines	48	3%
Aaron Zeckoski	48	3%
Gonzalo Silverio	47	3%
Jean-François Lévêque	46	3%
Andrea Schmidt	41	3%
Anthony Whyte	39	3%
Chris Kretler	38	3%
Bryan Holladay	37	3%
Zhen Qian	33	2%

Sakai in China

- Before 2010
  - Central China Normal University
    - First Sakai Day in China (Mar. 1, 2008)
  - University of Chinese Academy of Science
  - Beijing University of Posts and Telecommunications

Sakai in China

- 2010–2012
  - Fudan University
  - Sakai Fudan Branch (Jun. 2012)
  - Four universities joined together for a project
    - Fudan University, Dalian Maritime University, Chongqing University, Southwest University

Sakai in China

- 2013 – Now
  - 2013 Sakai China Conference
    - 29 schools attended
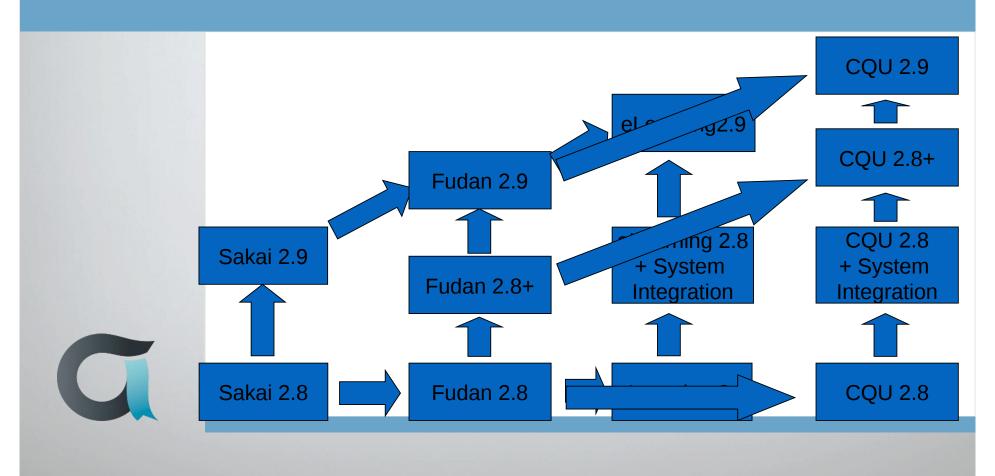 - 2014 Sakai China Conference
    - June 26-28

Adopters

Sakai Fudan Branch

- http://sakai.fudan.edu.cn

- https://bitbucket.org/fudan/sakai

- Demo: http://sakai.fudan.edu.cn:8080/portal

- Add features and enhancements Sakai not provided yet

- Powered by Distributed Revision Control System (DRCS), Mercurial

How It Works?

Enchancements

- More friendly to developers (DRCS)

- I18N support for role name and site type

    - SAK–25889 (Localize role name)

    - SAK–26004 (Localize site type)

- Some problems only occur in China/Chinese envirnoment solved

A Short Survey

- Who have been to China?

- Who use Chinese or Japanese or Korean (CJK) as native language?

- Who have learned CJK?

- Do you have CJK instructors or students in your institution?

- Do you concern about CJK user experience?

Specific problems in China/Chinese

- Golden Shield Project
  - No access to Youtube, Twitter, Facebook...
  - Limited access to Google, Yahoo
  - Profile2 integrate with Twitter

Sakai Slow Down by Jeep Crash

- yimg.com
- YUI Library
- RSF
- Lessons Tool
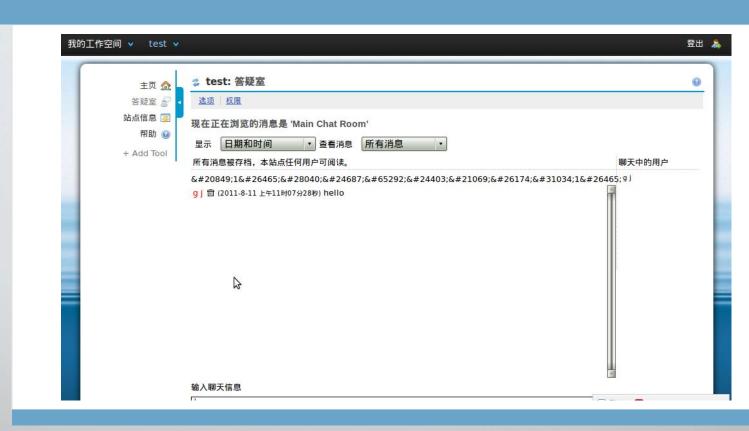
IE6 Problem – Since Sakai 2.9

http://www.modern.ie/en-us/ie6countdown

HTML Escape Problem (SAK–21005)

Date Parse Problem

- Generally, Sakai use java.text.SimpleDateFormat to parse String to Date

  - AM/PM is used in many language

  - In Chinese, must use 上午/下午

    - SAK–21009

    - SAK–22622

PDF Problem

Instructor	1
	1

NAME	SECTION

#, #(gaojun)

PDF Problem

- Sakai use Apache FOP and iText to generate PDF

  - Both tools cannot render Chinese Characters properly without modification

    - SAK−21908 (sub 21909, 21921, 21922)

    - SAK−25700

    - SAM−2276

XLS Problem

- Sakai use Apache POI to generate XLS file

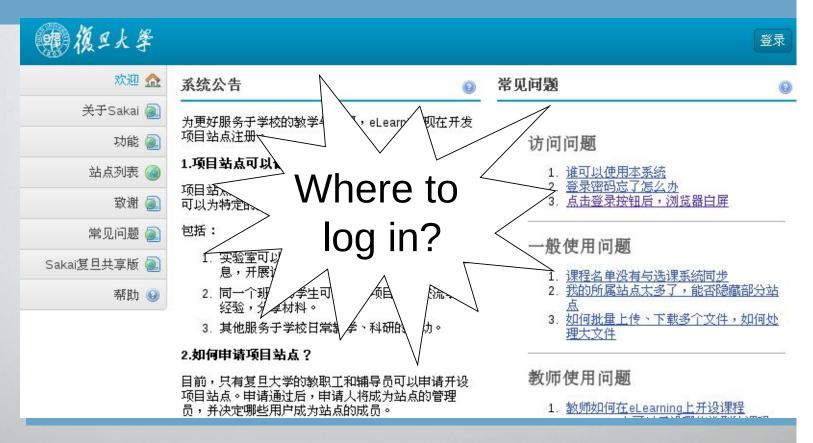 - Encoding should be defined

  - SAK-22531

Zip File Problem

- Which encoding is used for file names in Zip file?
  - Windows (depends)
    - Simplified Chinese Version – GBK
    - English Version – ISO8859–1
  - Linux – UTF8
- Solution
  - KNL–1221

Foreign Student Problem

Where to log in?

User's Habbit

- Compared to western users, Chinese users have different habbits

User's Habbit – Name

- Name
  - Generally, full name is used
  - Last name is called FIRST
  - First name is called LAST

User's Habbit – Ordering

- Name Ordering

  - Unlike English, Chinese is not ordered by pronunciation with UTF-8 encoding

  - EID ordering is very important

User's Habbit – AM/PM

- In U.S.
  - 12:00 A.M. means mid night
  - 12:00 P.M. means noon
- In China (most people think)
  - 12:00 A.M. means noon
  - 12:00 P.M. means mid night
- New Sakai property may be needed

User Habbit − WebDAV vs FTP

- Familiar with FTP

- Not Familiar with WebDAV

- Some issues occurs in different envirnoment with current dav tool

- New FTP tool for Sakai

  - https://bitbucket.org/fudan/sakai−ftp−server

Current Dilemma

- Maintain a qualified team

- Low budget

- Different people have different concerns

Discussion?