Open Source platforms, tools & approaches for 21st Century connected learning

A Wits case study

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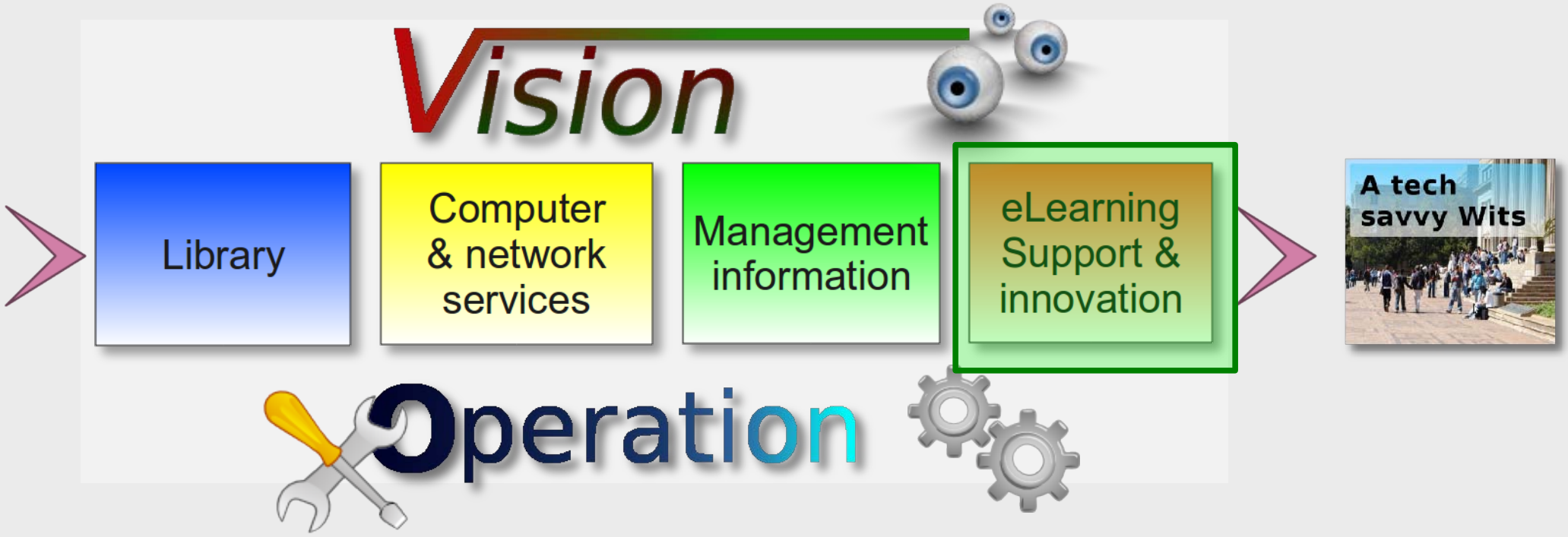
A DVC-led portfolio created to ensure that Wits is a world-class institution with respect to its approach to knowledge and information, and the technologies that underlie them.



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Digital technology savvy Wits

An innovative Wits

A Wits showing technology leadership

Great new things can grow

A sustainable technology ecosystem

Free and Open Source Software (FOSS)

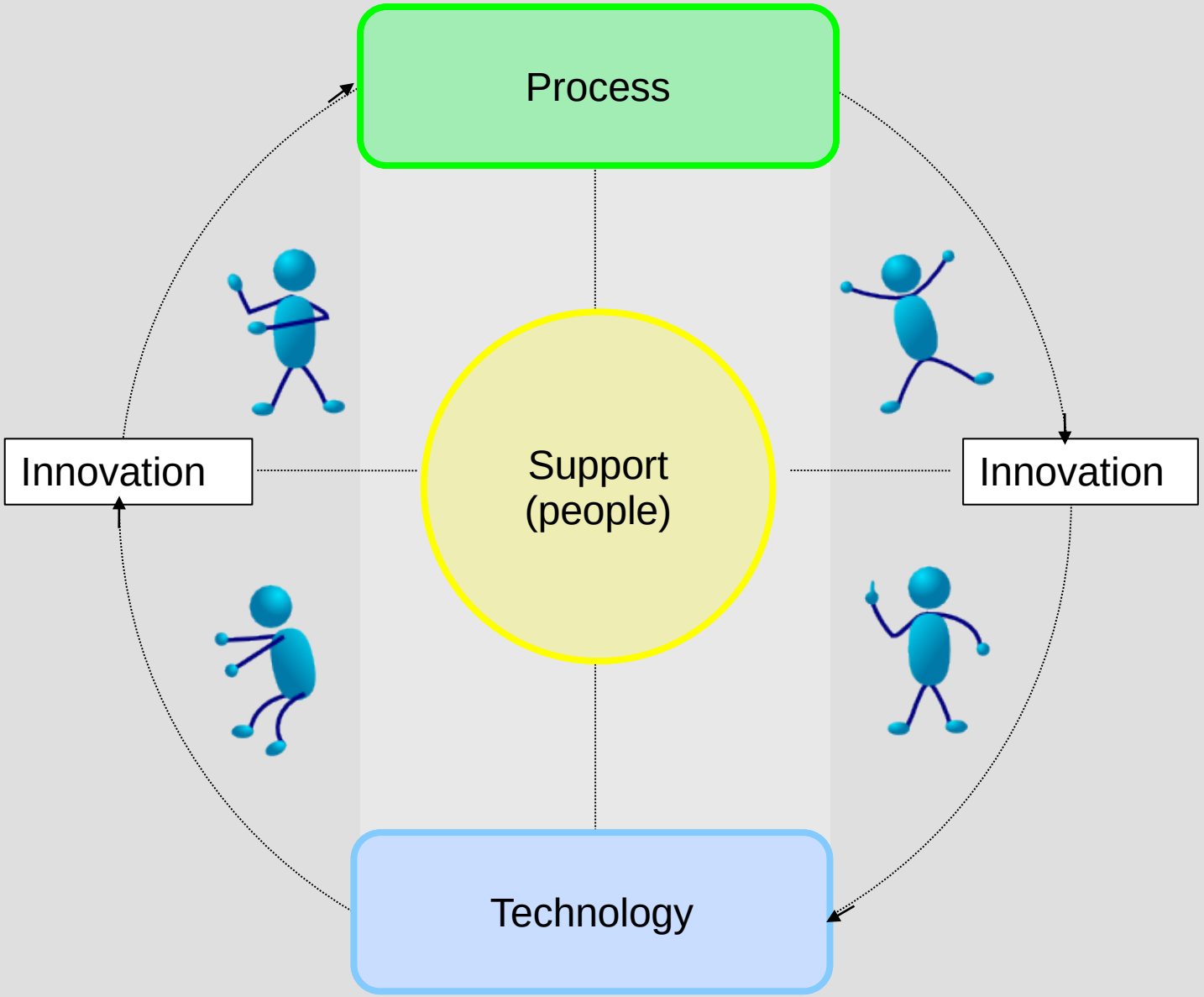
An innovative Wits

A Wits showing technology leadership

Great new things can grow

The TIPS approach

Technology
Innovation
Process
(pedagogy)
Support



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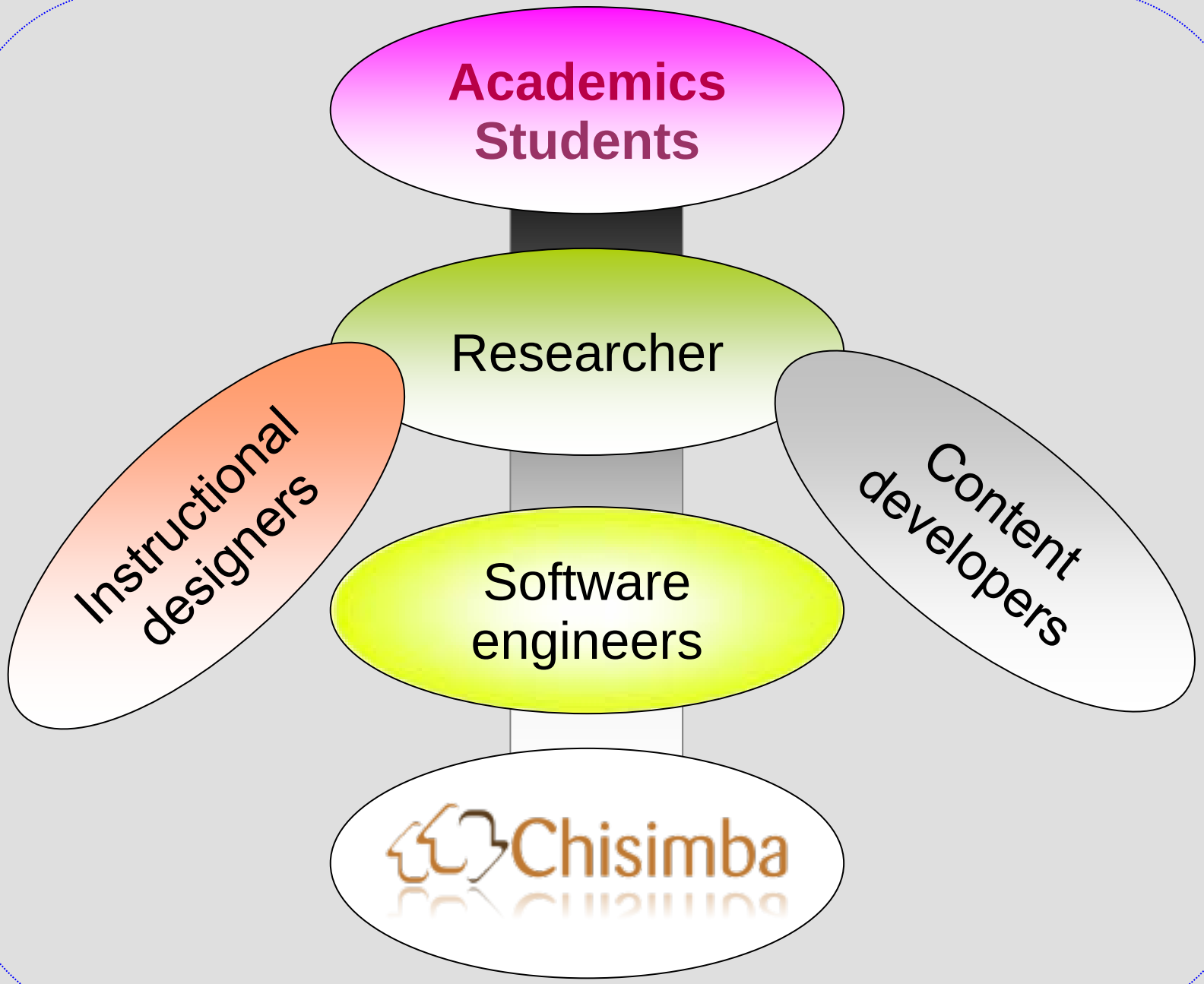
Innovation



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African Virtual Open Initiatives and Resources

A PROJECT ABOUT

Human Development

Capacity Building

Creating opportunities for people
through the formation of transnational alliances
both within Africa and out

AVOIR

African Virtual Open Initiatives and Resources

JCSE

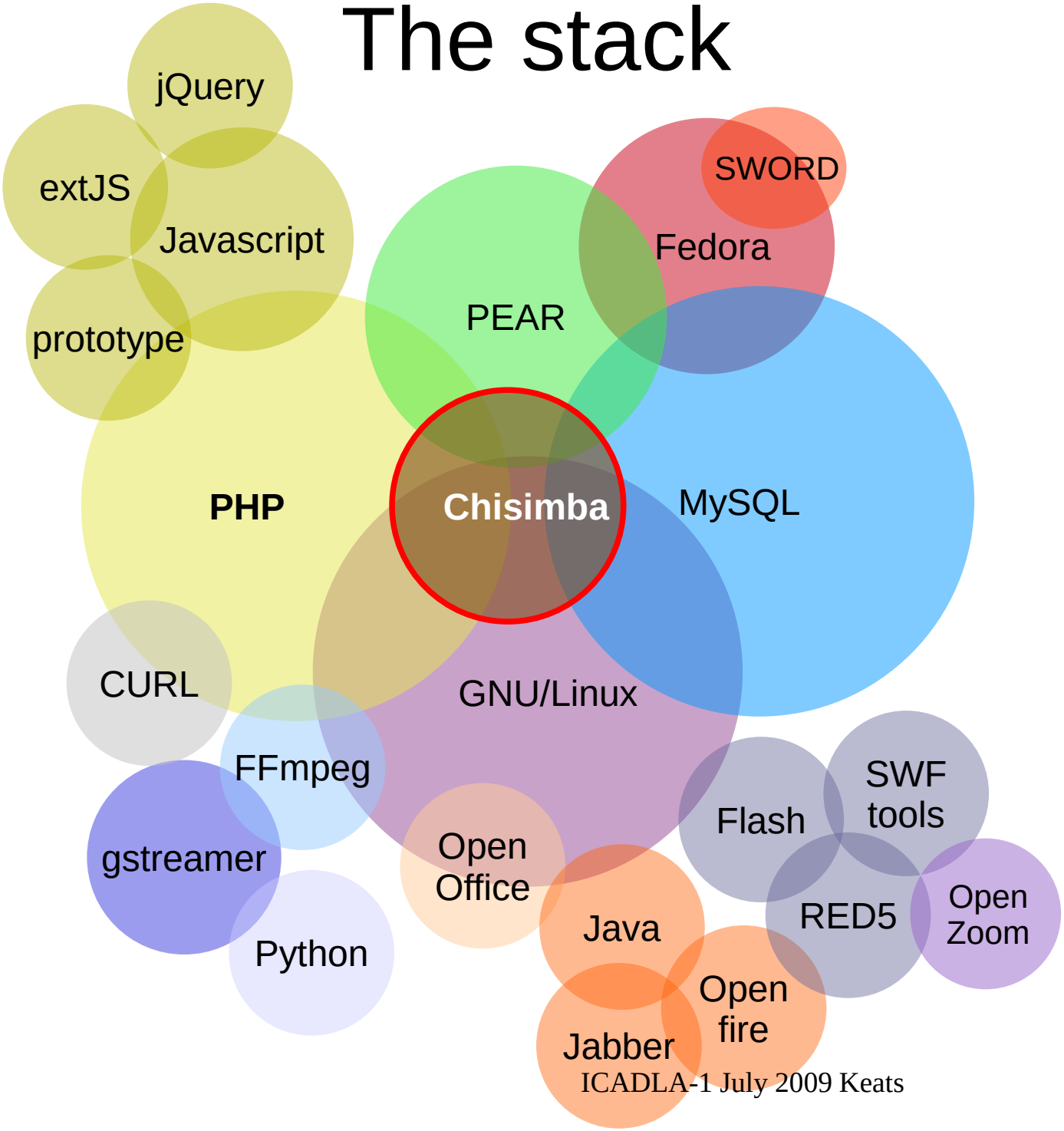
JOBURG CENTRE FOR SOFTWARE ENGINEERING

Chisimba

Built on a stack of FOSS applications and libraries using a suite of FOSS development and collaboration tools

CHISIMBA IS A **CHICHEWA (MALAWI)** WORD FOR THE **FRAMEWORK** USED TO BUILD A TRADITIONAL AFRICAN HOUSE

The stack



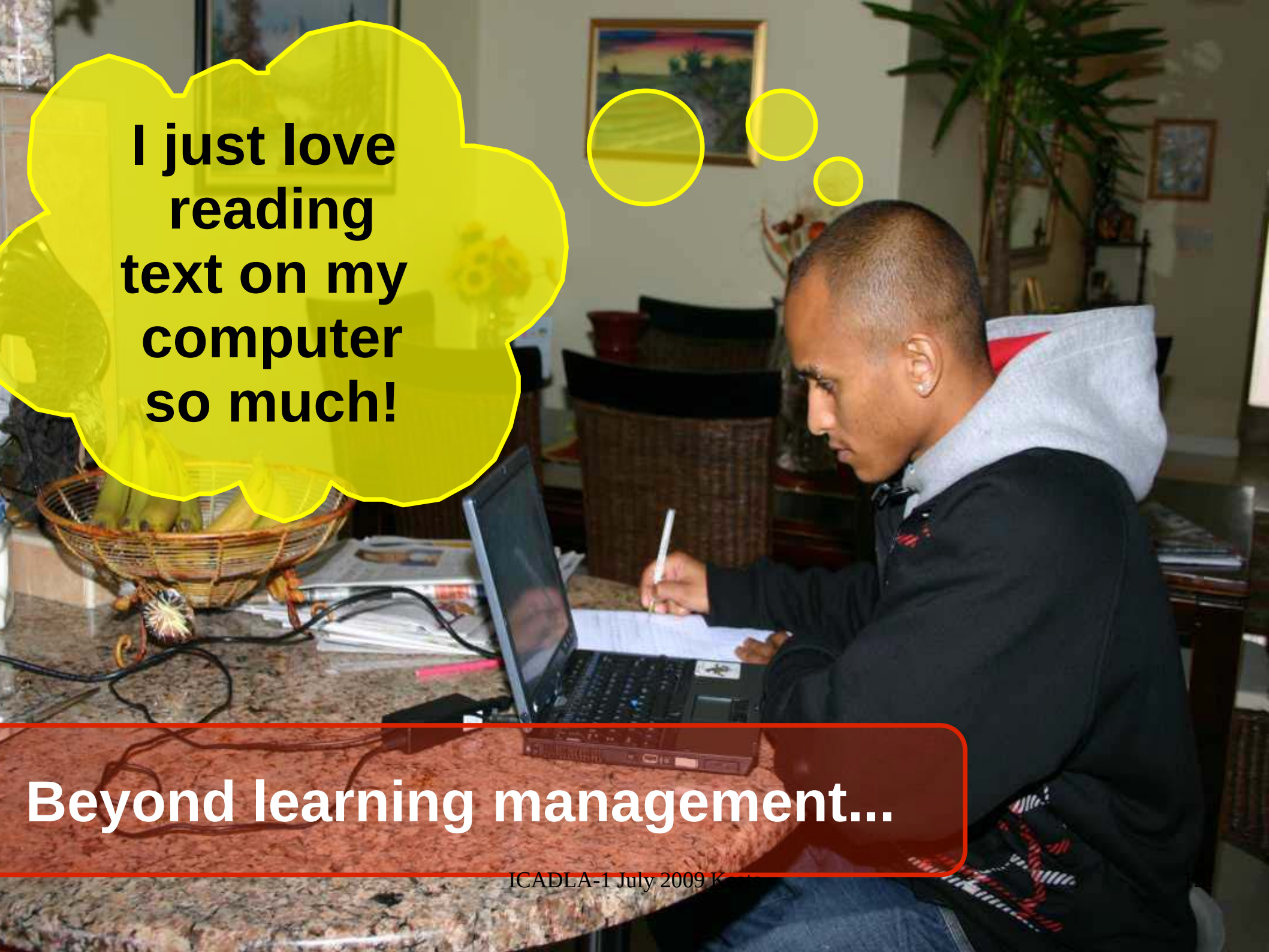
Cross platform

RESTful API
Ajax
Mashable
XMPP
Mobile phone
Online package management

Version 4 will be fully distributed & cloud-ready

Chisimba
RAPID APPLICATION DEVELOPMENT FRAMEWORK

In ancient times people used computers to send email and browse the web!



Beyond learning management...

eLearning with Chisimba

- General LMS-like functionality
- Blogs, wikis, microblogs, RSS
- ePortfolio
- Podcasts
- Realtime classroom
- Filters and Widgets for Web 2.0 / Semantic
- Social Networking
- Personal Learning Environment tools
- REST API

ELEARNING BYTES

Want to reach your students in their 'spaces' beyond the lecture hall? Perhaps send them a probing question or some interesting insights for the week's readings? Try Twitter, a micro-blogging tool, which is easily integrated into the new elearning system (https://elearn.wits.ac.za/) and can display your out-of-classroom conversations within your online course. Use the simple filter [TWEETS:query=# unique code or name for your course] and see your collaborative activity rendered in your course. For further information on getting your course online please contact Fatima Rahiman on (011) 717-7174.

Brought to you by the eLearning Support and Innovation Unit (eLSI) in the interests of enhancing teaching and learning practices.

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Classroom podcast system built with Chisimba its companion PodderLive!

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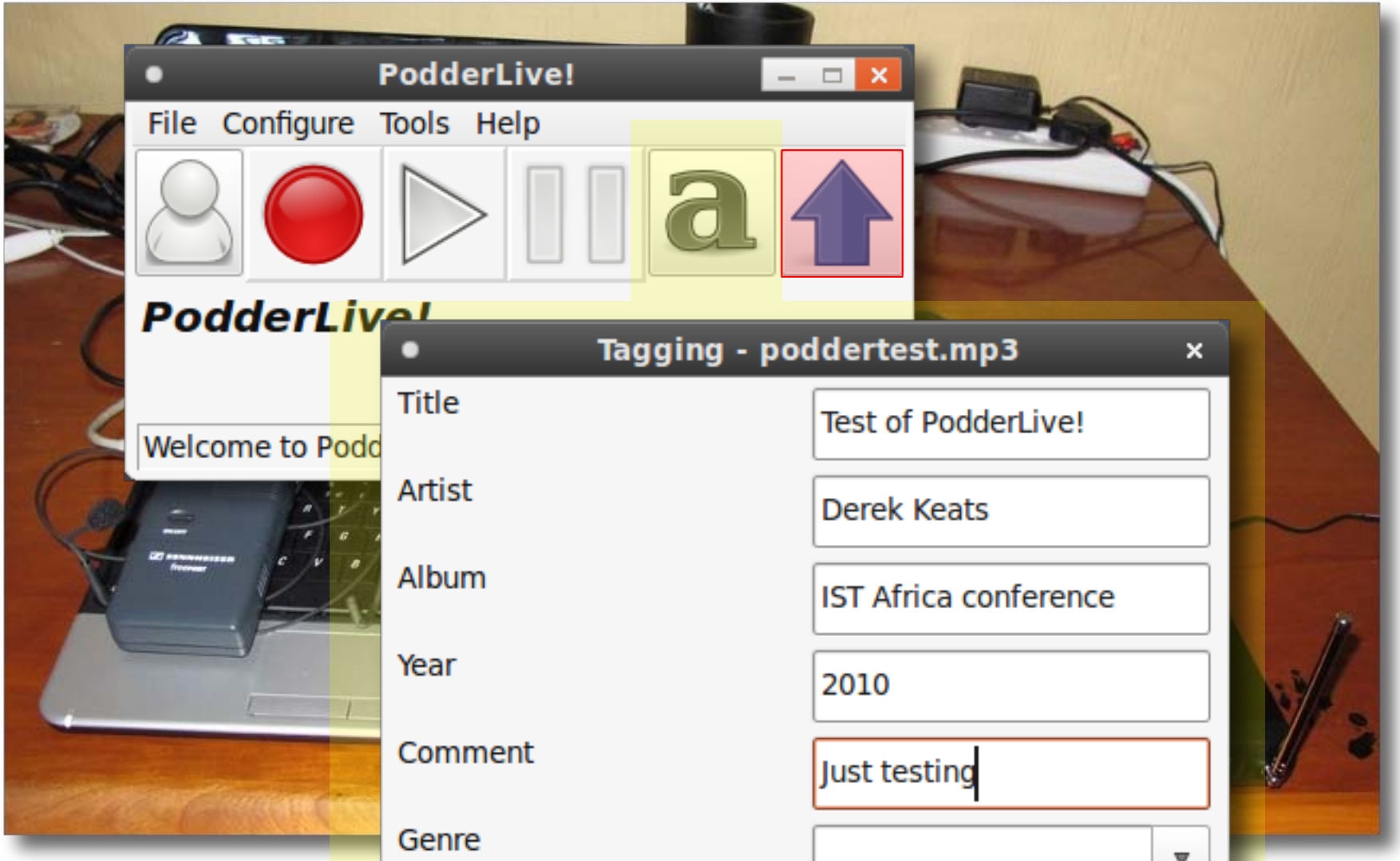

Classroom po
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Classroom po
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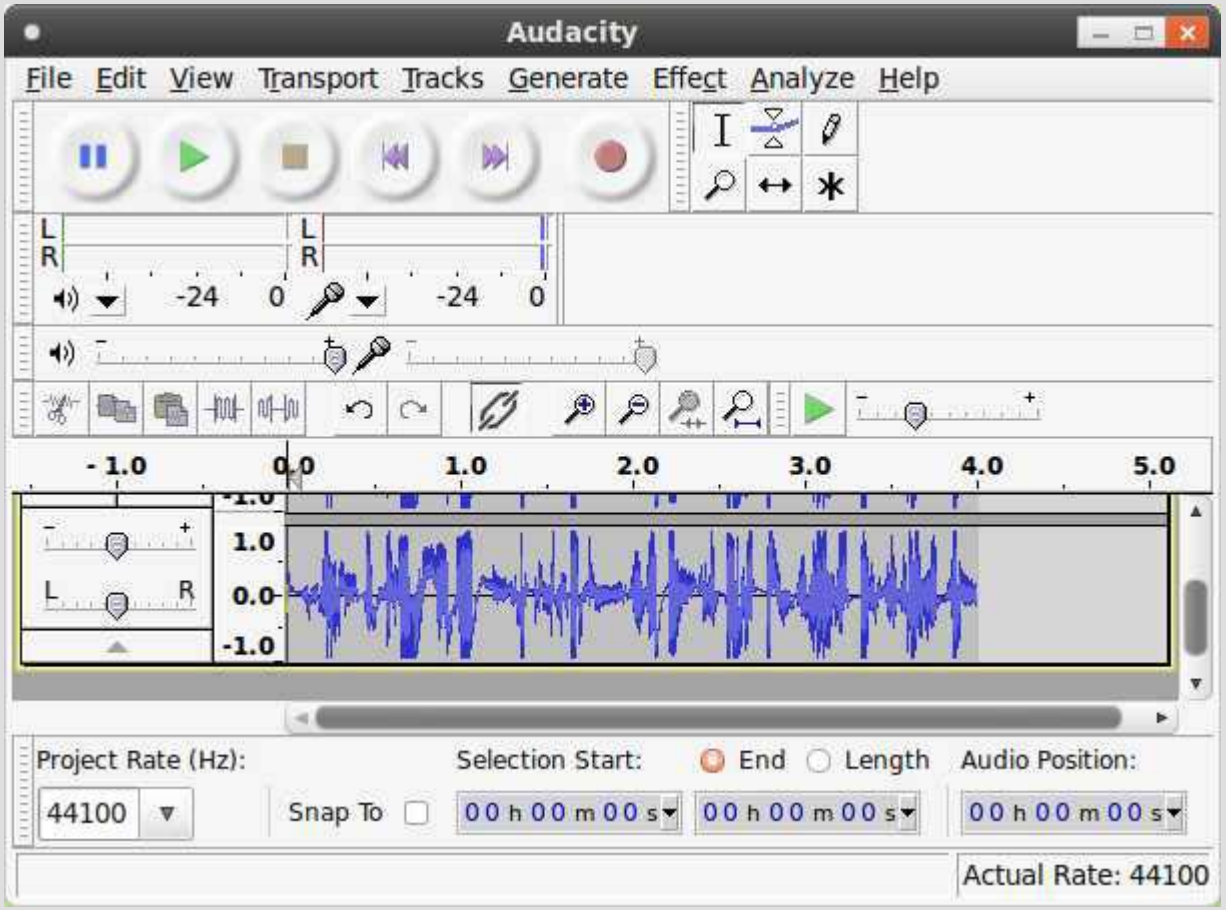
Podcast / audio editing

Audacity



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This proposes a Chisimba...

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Orientation6

- **Tags:** orientation
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Update Details - Learning and...

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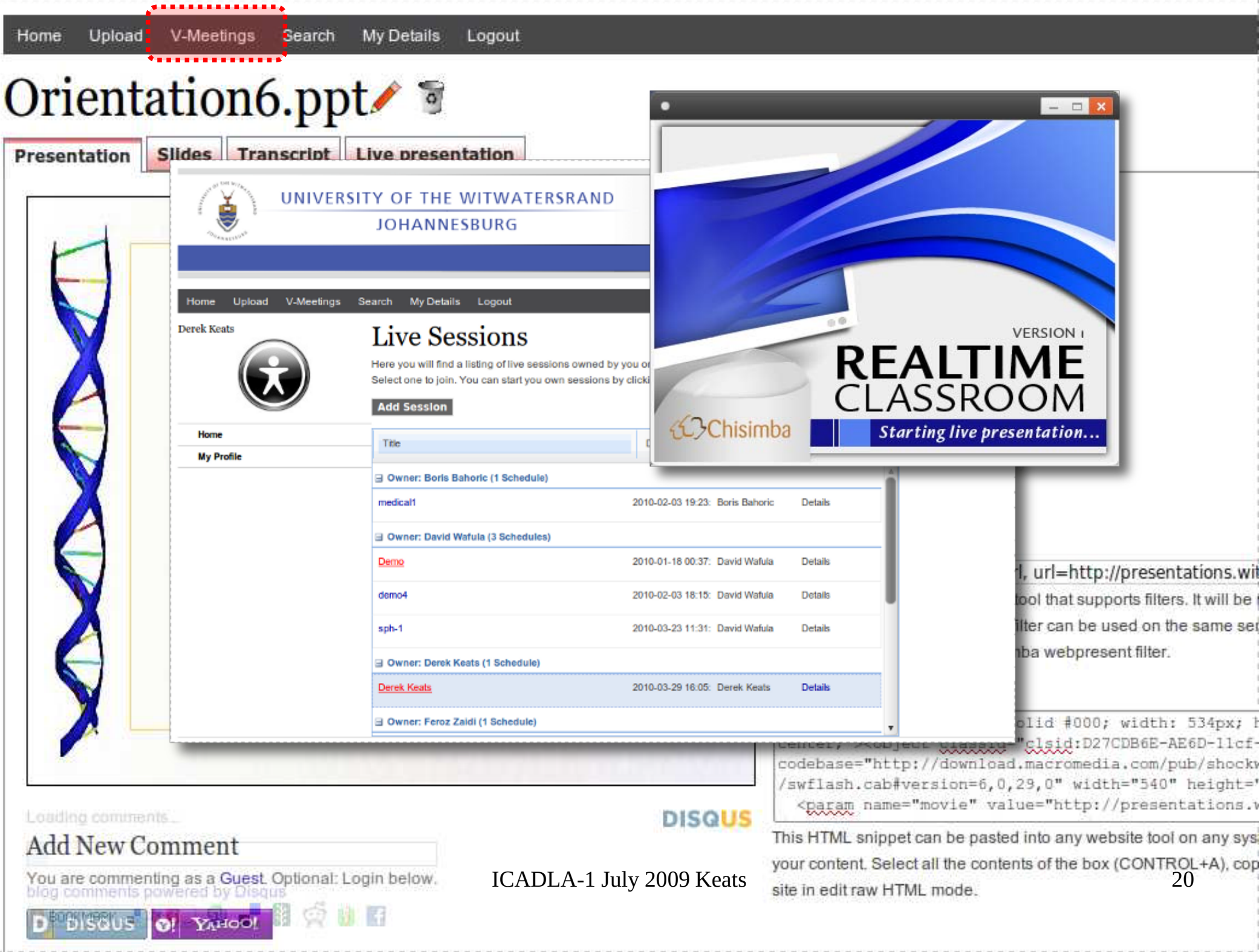
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demo4 2010-02-03 18:15: David Wafula Details
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Streaming media

Chisimba

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icecast

Streaming Media Server

Video library

Semantic web

Connected learning and the role of context

Semantic web

Information and services on the web have meaning (semantics)

Semantic: automatically finding that which is meaningful and suitable for my context, in this location, now?

Personal learning environment

Site Search: Find

Home | Developer | Resources | User | Admin | Logout

Home » Blog » viewsingle

Weblog of: Derek Keats

» View as timeline

» Back to my blog

Manage your Blog

» Write new post
» Edit Posts
» Back to my blog
More options

Twitter

What are you doing? 140

Tweet

Australopithecus sediba

15 days ago

Retweet

Australopithecus sediba is a species of Australopithecus, based on fossil remains dated to 1.78 to 1.95 million years ago in the Pleistocene. The species is known from two partial skeletons (MH1 and MH2) discovered in the Malapa Fossil Site at the Cradle of Humankind World Heritage Site in South Africa, one a juvenile male, (the holotype), the other an adult female. Over one-hundred and thirty fragments from the species have been recovered to date. The partial skeletons were initially described in two papers in the journal Science by South African palaeo-anthropologist Lee R. Berger and colleagues as a newly discovered species of early human ancestor called Australopithecus sediba ("sediba" meaning "natural spring" or "well" in the Sotho language).

Australopithecus sediba

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The first specimen of *A. sediba* was found by paleoanthropologist Lee Berger's nine-year-old son, Matthew, on August 15, 2008.[3] While exploring near his father's dig site in the dolomitic hills north of Johannesburg, on the Malapa Nature Reserve, Matthew stumbled upon a fossilized bone.[3] The boy alerted his father of the find, who could not believe what he saw, a hominid clavicle and upon turning the block over; "sticking out of the back of the rock was a mandible with a tooth, a canine, sticking out. And I almost died", he later recalled.[3] The fossil turned out to belong to a 4 ft 2 in (1.27 m) juvenile male, the skull of which was discovered in March 2009 by Berger's team.[3] The find was announced to the public on April 8, 2010.

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Test of PodderLive!
by Administrative User

Podcasts

Twitter status

In Durban for IST Africa conference.
6 hours, 15 minutes ago

Related tweets

OriginsCentre Check out this short video clip about sediba filmed here, at the gins Centre. http://bit.ly iWn3J
hrs ago from Facebook

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Berger's team.[3] The find was announced to the public on April 8, 2010.
Also found at the Malapa archeological site were a variety of animal fossils, including saber-toothed cats, mongooses, and antelopes.[3] Berger and geologist Paul Dirks speculated that the animals might have fallen into a deep, 100–150-foot (30–46 m) "death-trap", perhaps lured by the scent of water.[3] The bodies may have then been swept into a pool of water rich with lime, and with sand at the bottom, making it possible for the remains to become fossilized.[3]

The Collecta filter is used to identify and return conversations from the realtime web.

My Videos
Thunder cloud over
120 views
Get Widget
friendfeed
Derek Keats
Comments
5 this week, 149 all time
View my feed - Subscribe to me
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Search
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Show All Posts
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ipad

7 seconds ago

Retweet

iPad

click to pause

Use Your iPad as a Second Monitor, App Awaits Approval http://bit.ly/9IOOA3

Appmodo 23 secs ago

@steve_zone naka-iPad nga, PANGIT PA RIN SIYA!

I_am_jv 23 secs ago

RT @DealsPlus: Win an #Apple #iPad today! Just retweet this & follow @dealsplus to win. More details: http://bit.ly/9aq1Su

atvpoop 24 secs ago

RT @papertigersoft *ReeTweet* ths mess. WIN Apple iPad..I just entered 2 win Apple iPad from The Paper Tiger! #PTiPAD http://bit.ly/b0hrs0

cdmtx65 24 secs ago

@macTweeter hope the ipad is spill resistant lol..

Kxxor 24 secs ago

is a VIP on Original Gangstaz on my iPhone! Click the link to join my gang http://bit.ly/originalgz #iphone #ipod #ipad #OG

alexauclair 25 secs ago

RT @BeejiveIM: BeejiveIM for iPad released! Available in the App Store: http://bit.ly/dwvJjJ

jaybarcelo 25 secs ago

@michaelsnelling I don't know how to get my books on Ipad - huhn, good question. I'm sort of a dimbulb about Ipad! Haven't even seen one!

katmagendie 27 secs ago

#tech: iPhone OS 4.0 beta 4 hints at LED flash, camera for iPad, iPod, iPhone http://bit.ly/cM3qCI

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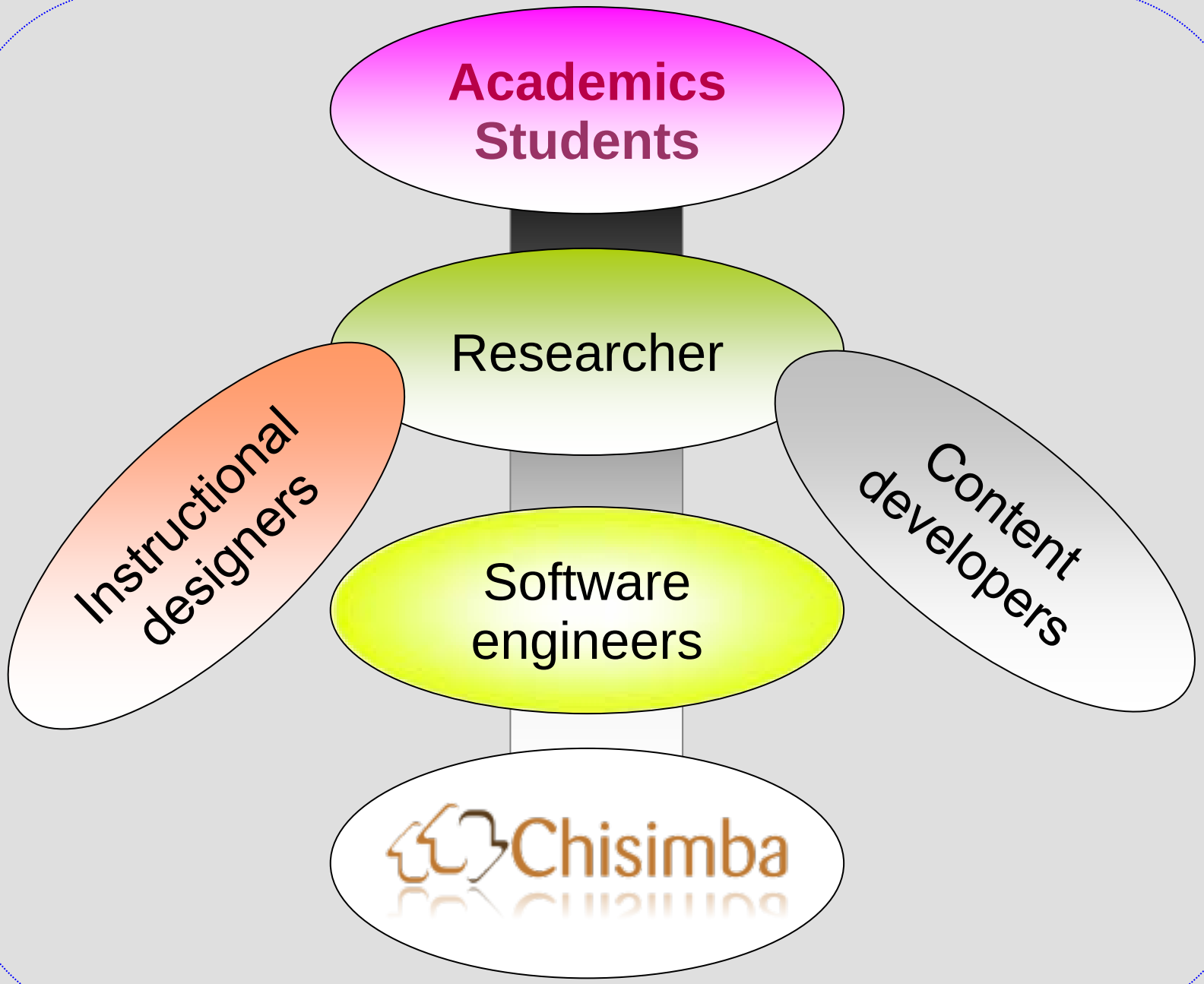
Innovation



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