



# Development of a Library 2.0 service model for an African library

Heila Pienaar & Ina Smith

LIASA Gauteng North Branch Meeting

23 October 2007



## **Development of a Library 2.0 service model for an African library**

*Theme: Second life for libraries*

**Dr Heila Pienaar and Ms Ina Smith,**

Academic Information Service, University of Pretoria,  
South Africa

e

**Meeting:**

**146 Information Technology**

**Simultaneous Interpretation:**

No

***WORLD LIBRARY AND INFORMATION CONGRESS: 73RD IFLA GENERAL CONFERENCE AND COUNCIL***

*19-23 August 2007, Durban, South Africa*

<http://www.ifla.org/iv/ifla73/index.htm>

Access presentation on UPSpace: <http://hdl.handle.net/2263/3335>



# Agenda

- University of Pretoria context
- Library's e-Information Strategy & Structure
- Variables that influence the role of academic libraries
- Web 2.0 & Library 2.0
- Development of a Library 2.0 service model





# University of Pretoria Context



In 2006, student numbers were 49 226. The University has nine faculties and a business school (<http://web.up.ac.za/>)



# Library's e-Information Strategy

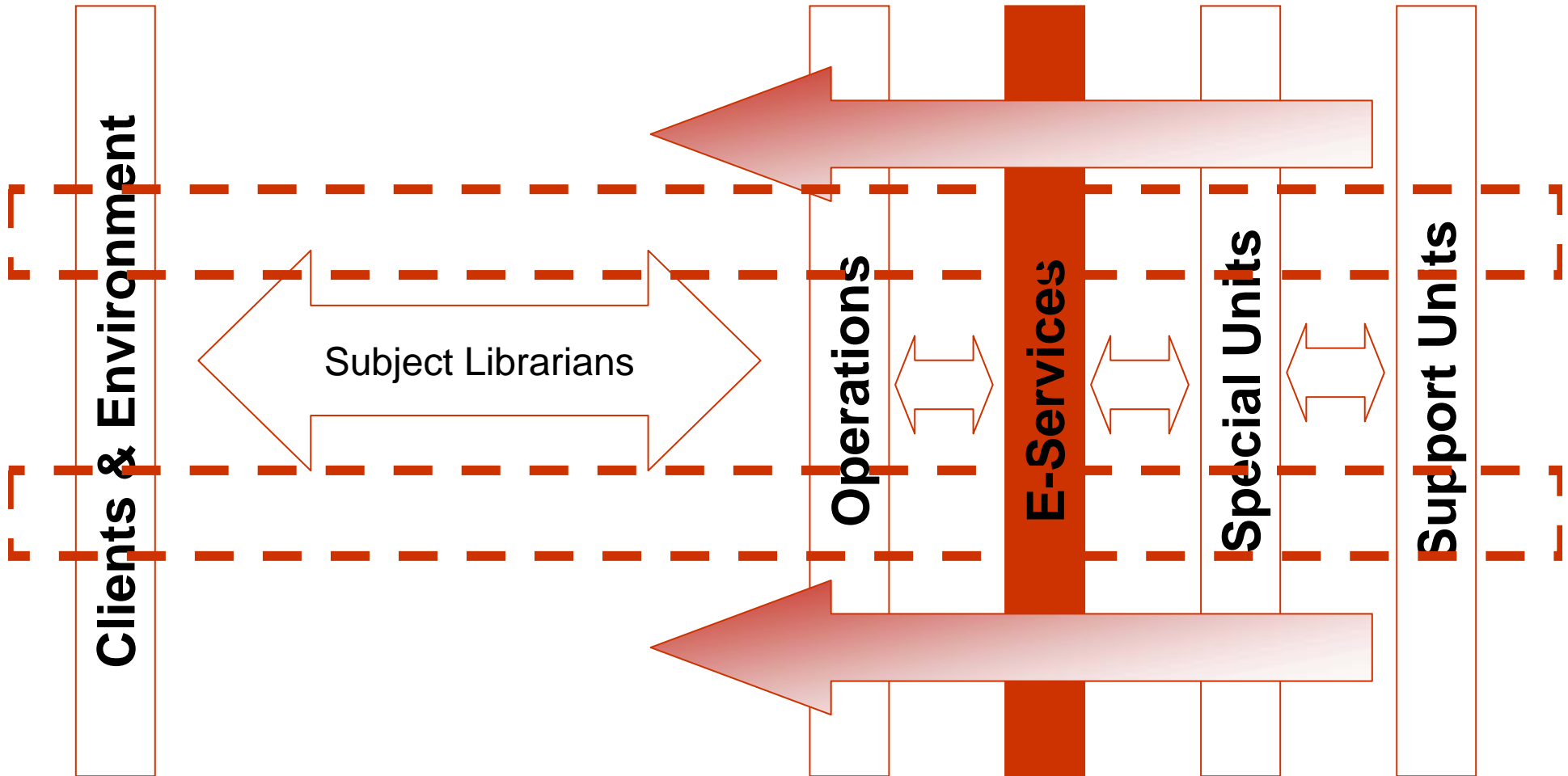
- **Integrated seamless e-Service**
- Objectives
  - Support education innovation & research excellence
  - Optimal e-information (portal) services
  - Participate & contribute to national & international e-information phenomena
- Key sub strategies
  - Create **e-information environment**
  - E-Information plan
  - Learning/ e-learning & research/ e-research support strategies
  - **Library structure, business processes, skills, facilities**



# Library Structure

## Matrix teams

## E-Information Strategy







# Variables that influence the role of academic libraries

- Global library **digitization** projects, e.g. Google, European Union
- Impact of **e-Research** (a.k.a. e-Science (UK) or Cyber infrastructure (USA))
- Needs of **Net-Generation** students
- Possibilities created by **Web 2.0 / Library 2.0 technologies**
- **These variables influenced the development of a Library 2.0 service model for the University of Pretoria Library Service**



# Web 2.0





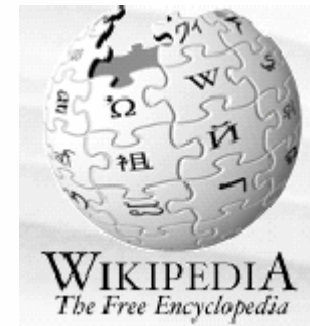
# Web 2.0

- **Web 2.0**

- Users build networks (professional, recreational etc.)
- People are the content of sites (O'Reilly)
- Emphasize online sharing and collaboration

- **2.0-style Service Examples**

- Google Scholar & Scholar SFX
- User tagging, ratings & comments
- Mashups, Wikis, Blogs, RSS-feeds
- Community citation (CiteULike), photo and book services
- Websites with 2.0 characteristics: Flickr, eBay, De.licio.us (social bookmarking), MySpace, MyTube, LibraryThing





# Library 2.0

“With Library 2.0, library services are frequently **evaluated and updated** to meet the changing **needs of library users**.

Library 2.0 also calls for libraries to encourage **user participation** and feedback in the development and maintaining of library services. **The active and empowered library user is a significant component of Library 2.0.**”

With information and ideas flowing in both directions – from the library to the user and from the user to the library – library services have the ability to evolve and improve on a constant and rapid basis. The user is **participant, co-creator, builder** and **consultant** – whether the product is virtual or physical.”

[http://en.wikipedia.org/wiki/Library\\_2.0](http://en.wikipedia.org/wiki/Library_2.0)





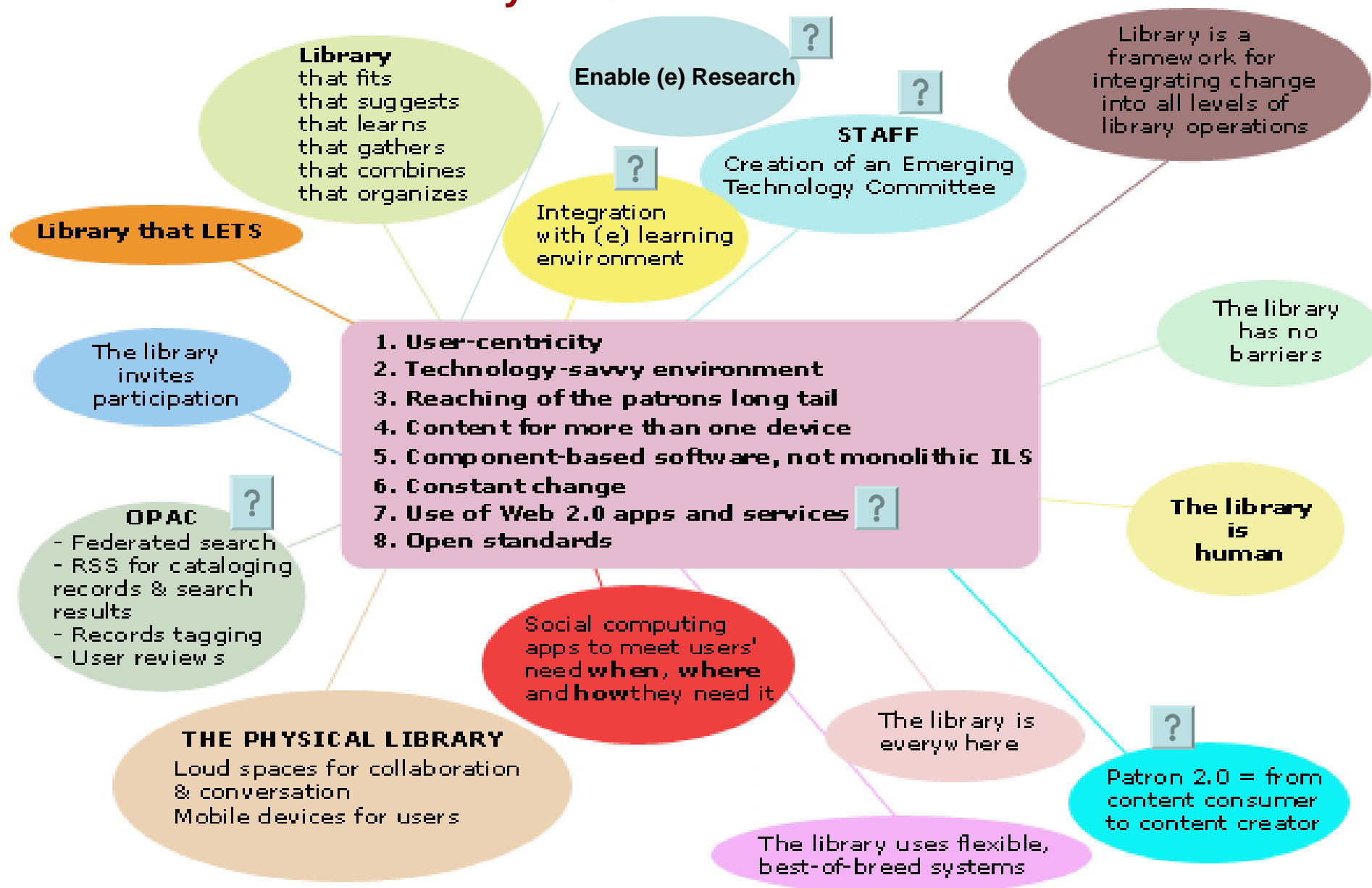
# Library 1.0 vs Library 2.0

- Closed collections
- Collection development
- Pre-organized catalogue
- Walk-in services
- “Read-only” catalogue
- Print newsletter mailed
- Easy = Dumb users
- Limited service options
- Focus on bringing them in
- Catalogue is core operation
- Open collections
- Library suggestion box
- User tagging
- Globally available services
- Amazon-style comments
- Team-built blog
- Easy = Smart systems
- Broad range of options
- Focus on finding the user
- User services are core

(Schneider 2007)



# Library 2.0 Service Model





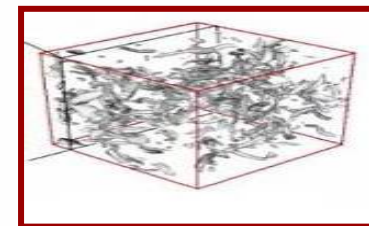
# Enable e-Research

## A New Science / Research Paradigm

- **Thousand years ago:**  
Experimental Science
  - description of natural phenomena
- **Last few hundred years:**  
Theoretical Science
  - Newton's Laws, Maxwell's Equations ...
- **Last few decades:**  
Computational Science
  - simulation of complex phenomena
- **Today:**  
e-Science or Data-centric Science
  - unify theory, experiment, and simulation
  - using data exploration and data mining
    - Data captured by instruments
    - Data generated by simulations
    - Data generated by sensor networks
    - Scientist analyzes databases/files



$$\left(\frac{\dot{a}}{a}\right)^2 = \frac{4\pi G\rho}{3} - K \frac{c^2}{a^2}$$

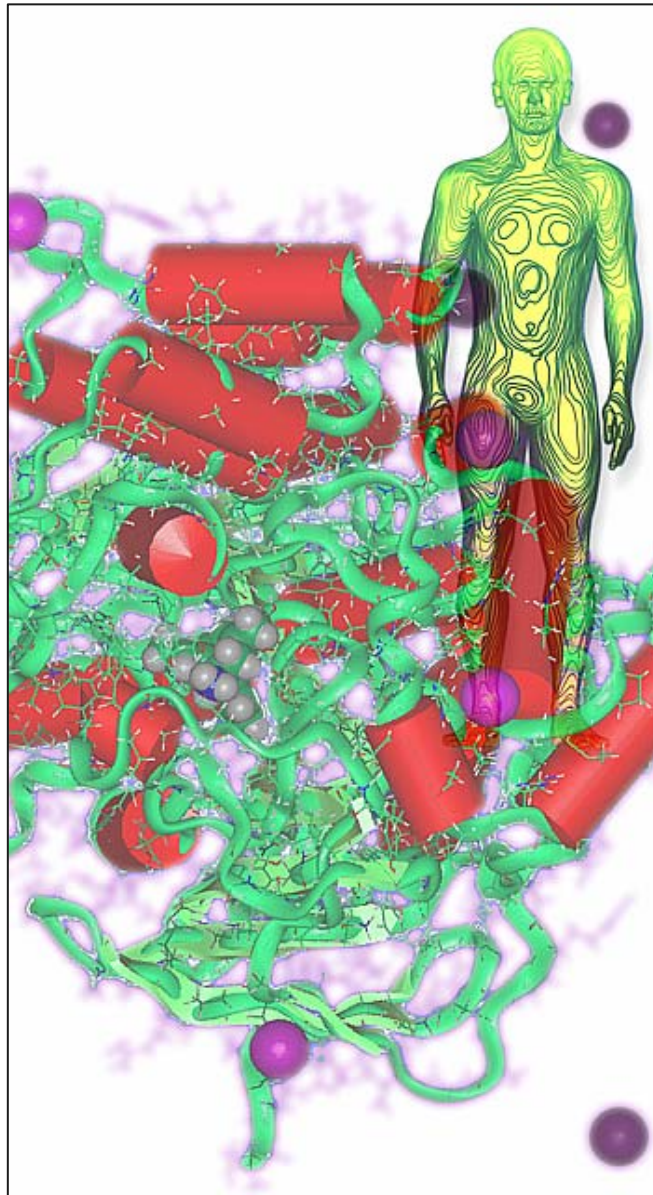




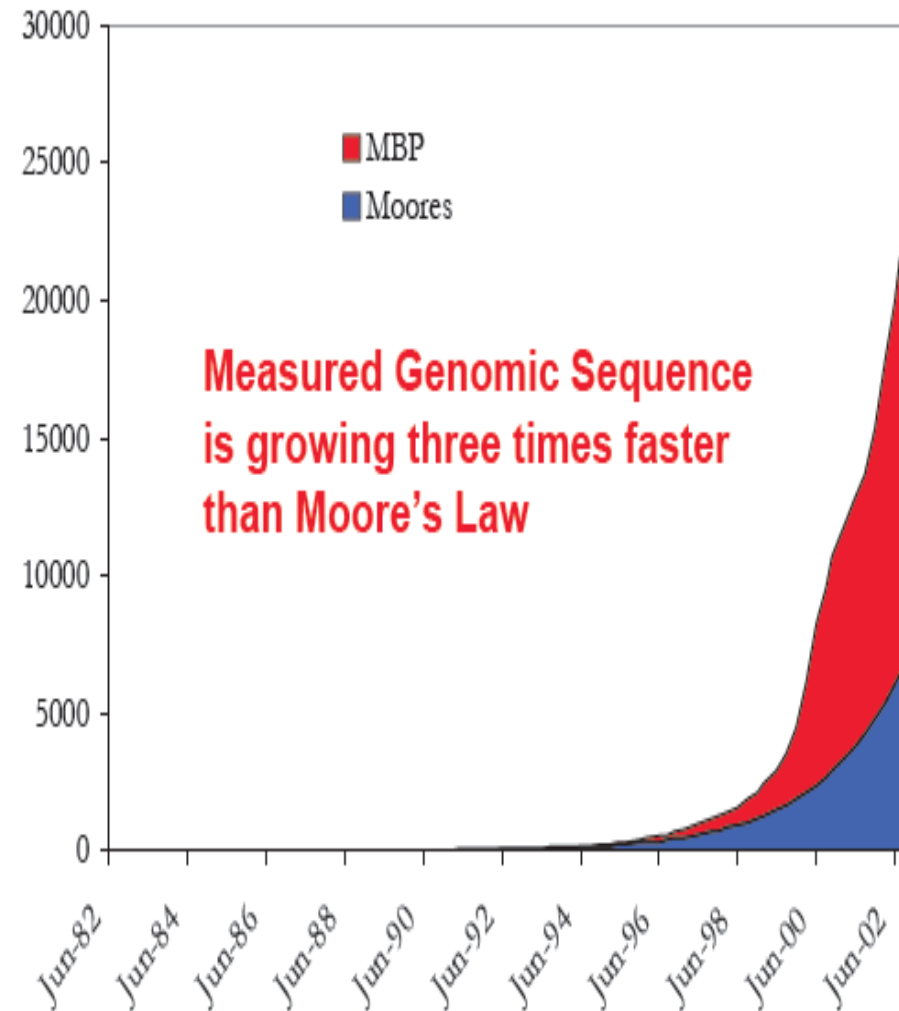
# The e-Science / e-Research **Data** Life Cycle

- Data Acquisition
- Data Ingest
- Metadata
- Annotation
- Provenance
- Data Storage
- Data Cleansing
- Data Mining
- Curation
- Preservation





# The Genomic Data Explosion

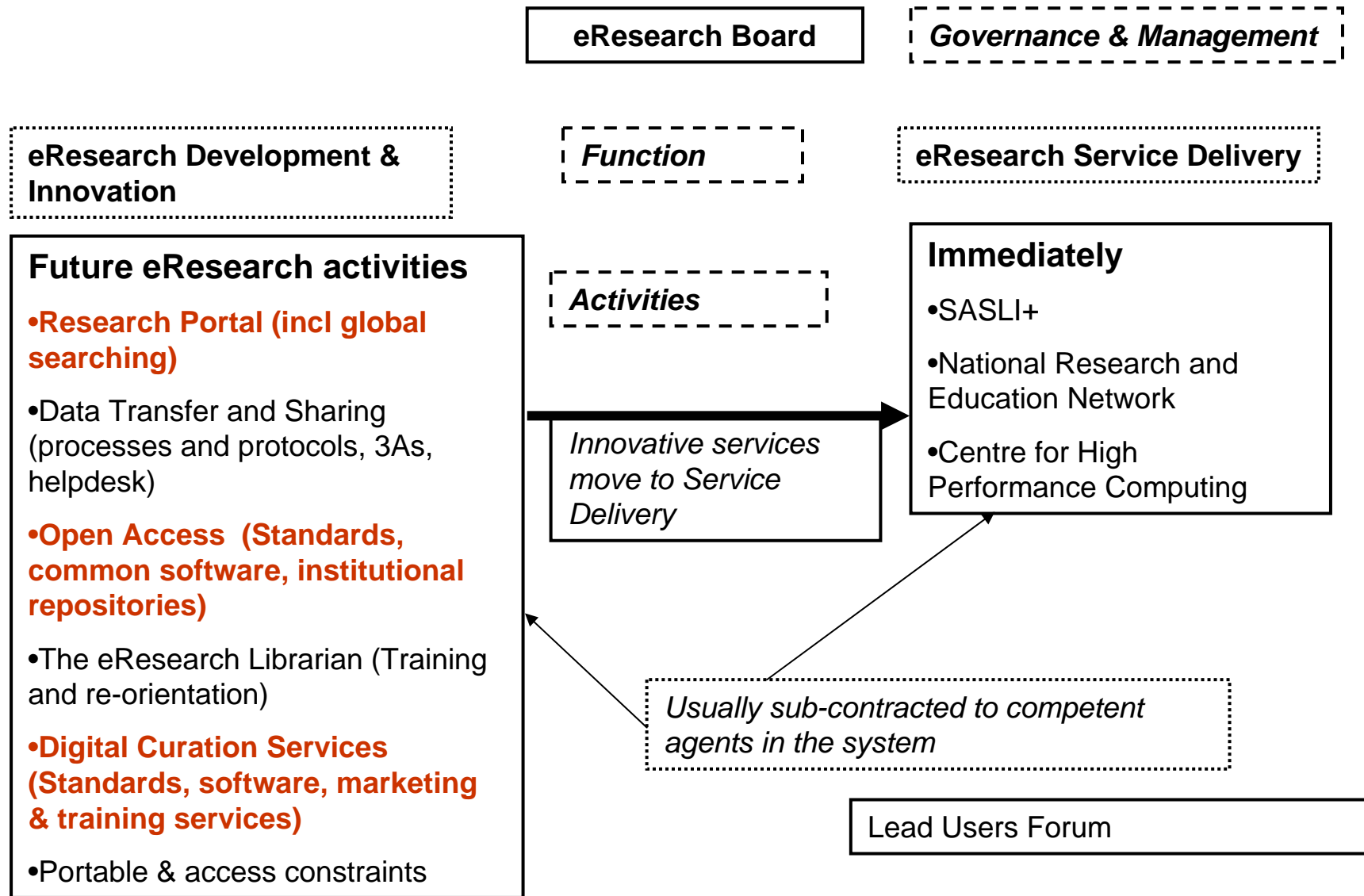


Courtesy:  
Graham Cameron



Chris Jones  
Sciences on the GRID  
February 2006  
5

# E-Research Support Service for SA





# Integrated VRE for Malaria Research in South Africa

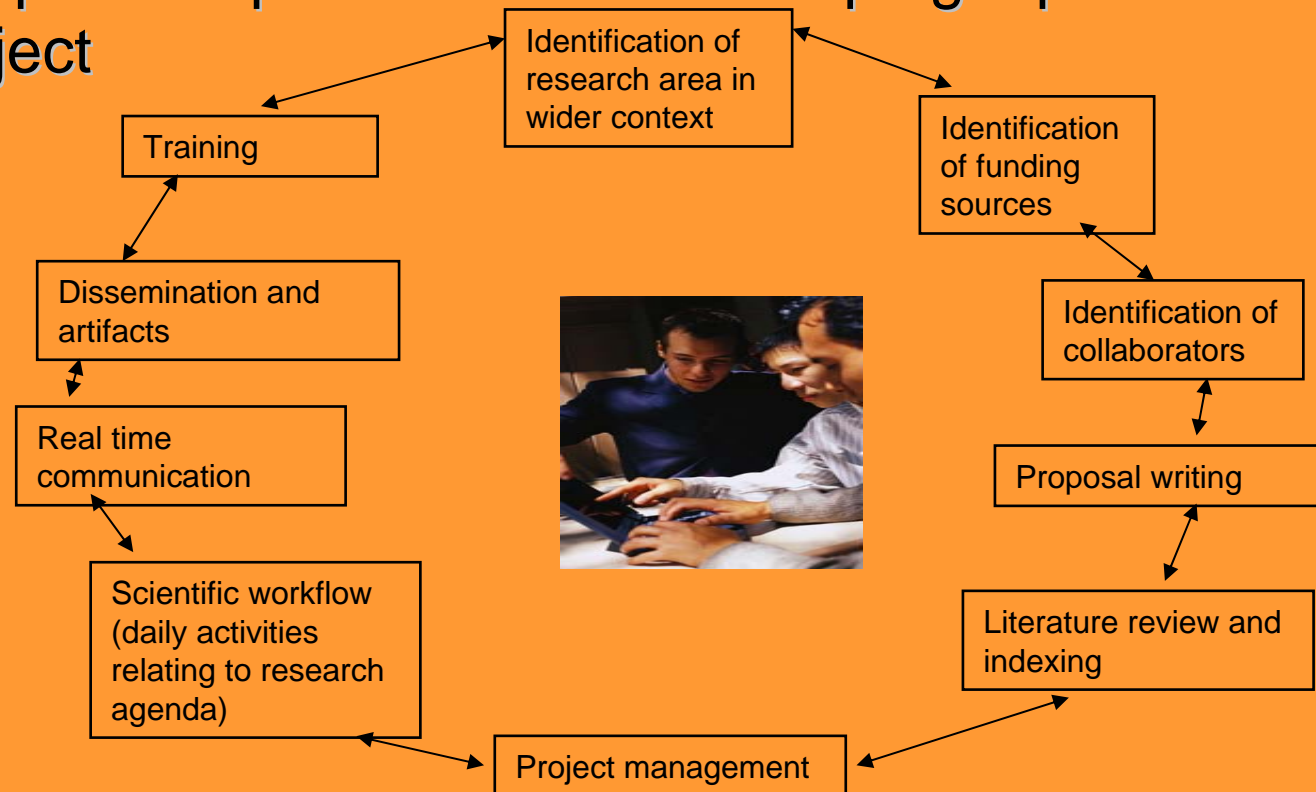
To improve research efficiency

To create a conceptual model of the entire research process in South African context

To surface the VRE needs/constraints across CSIR/UP boundaries – linked to a specific project

To identify the conceptual requirements for developing a pilot VRE for the CSIR/UP project

**Virtual  
Research  
Environment**



Researchers: Drs Heila Pienaar (UP) & Martie van Deventer (CSIR)

# Developing a Malaria VRE demonstrator with Web 2 Tools

SAMI VRE - Just Use it

File Edit View Favorites

Back Forward Stop

Address http://www.bi.up.ac.za/vre/index.php Go Links

**XOOPS** JUST USE IT!

**SAMI** South African Malaria Initiative

**User Menu**

- View Account
- Edit Account
- Notifications
- Inbox
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**Search**


Search

**Advanced Search**


**New Members**

|            |           |
|------------|-----------|
| heila1     | 2007/7/10 |
| kate       | 2007/7/4  |
| eskosana   | 2007/7/4  |
| mmphahlele | 2007/7/3  |
| cackroyd   | 2007/7/3  |
| iimenda    | 2007/7/3  |
| rmaidi     | 2007/7/3  |
| lkgasoane  | 2007/7/3  |
| ...        | ...       |


**Blog**

Linda's Lab Book and Scientific Workflow of Research 


**Wiki**

Identification of collaborators and funding 


**DSpace**


Dissemination and Artefacts/Literature review 

**WebCollab**

Project Management for the research team 

**Sakai**

Training and mentoring for the researchers 



# Creation of emerging technology committee



## **Library e-Service Steering committee: terms of reference**

1. **Purpose:** The main purpose of this strategic steering committee is the **creation of the Library e-Service** and the **co-ordination of Library e-Activities** in support of UP research, teaching and learning.
2. **Composition:**
  - Library executive management team member responsible for Library e-Information strategy is ex officio chair
  - Library executive management are ex officio members
  - Chairs of Library e-Steering committees are ex officio members
  - Leader of Library IT unit is ex officio a member
  - Faculty library managers (2 or 3) to facilitate innovation transfer
3. **Terms of reference:**
  - To co-ordinate the implementation of the Library e-Information strategy
  - To co-ordinate Library e-Services, e-Products & e-Initiatives on a strategic level
  - To create & align Library e-Steering committees e.g. Library Web steering committee, Library System steering committee
  - To co-ordinate the different e-Budget requests & spending e.g. IT budget, IT systems budget, Library strategic plan
  - To align Library IT policies & architecture with UP IT policies & architecture
  - To create & maintain the necessary personal networks with UP, national, regional & international stakeholders, opinion leaders & experts
  - To be aware of & to implement new relevant IT trends & e-Applications**
  - To communicate & market new e-Trends & e-Applications





# Integration with e-Learning environment

Blackboard Learning System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print Mail News RSS Feeds

Address <http://elearn.up.ac.za/webct/urw/lc4130011.tp0/cobaltMainFrame.dowebct?appforward=startFrameSet.dowebct%3Fforw> Go Links

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Universiteit van Pretoria

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ile802 - ile802\_s01\_2007

Your location: [Home Page](#) > **AIS References**

**ACADEMIC INFORMATION SERVICE**

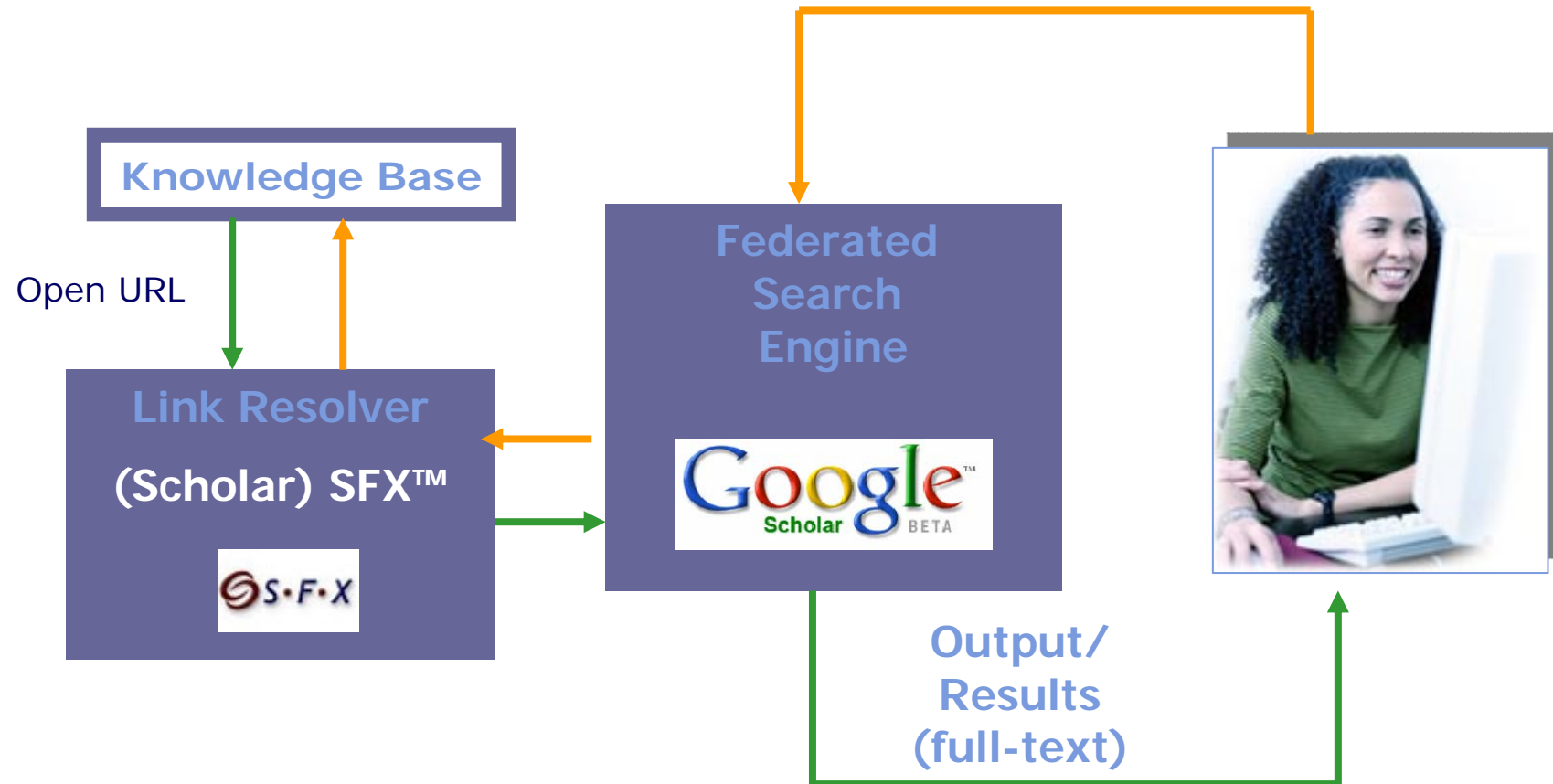
**Engineering, Built Environment and Information Technology**

801/2 Life Cycle Management (LCM) of Safety, Health and the Environment (SHE) 2007

| Prescribed Literature:<br>Theme 1, 2 and 3  | Supplementary Reading : Theme 3 :<br>Life Cycle Management | E-Resources   | International<br>Websites |
|---|--|---|---------------------------|
| <b>Prescribed Literature</b>  |  | <b>AIS</b><br>AIS<br>Homepag                        |                           |
| <b>Theme 1: Health and Safety Management</b>  |  | <b>eResource</b><br>Collection<br>of E<br>Resources |                           |
| Honkasalo, A. (2000) <a href="#">Occupational health and safety and environmental management systems. Environmental Science and Policy</a> , vol. 3, pp.39-45, [113 kb] |  |   |                           |
| Moult, D. Knowledge 1 (2001): <a href="#">Auditing safety: a client and consultant's perspective. Operations</a>  |  |   |                           |

# Federated search

**Google Scholar + Scholar SFX = Solution for Africa**







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[View HTML](#) | [View PDF \(74 KB\)](#)**Title:** Knowledge Management: An Introduction and Perspective**Author(s):** Karl M. Wiig**Journal:** Journal of Knowledge Management**ISSN:** 1367-3270**Year:** Mar 1997 **Volume:** 1 **Issue:** 1 **Page:** 6 - 14**DOI:****Publisher:** MCB UP Ltd**Abstract:** Leaders of successful organizations are consistently searching for better ways to improve performance and results. Frequent

# Knowledge Management: An Introduction and Perspective

Karl M. Wiig, Chairman, Knowledge Research Institute, Inc.

Leaders of successful organizations are consistently searching for better ways to improve performance and results. Frequent disappointments with past management initiatives have motivated managers to gain new understandings into the underlying, but complex mechanisms - such as knowledge - which govern an enterprise's effectiveness. Knowledge Management, far from being a management 'fad', is broad, multi-dimensional and covers most aspects of the

the public domain concerning how to manage knowledge explicitly. There were studies, results of corporate efforts, and conferences on the topic.

In spite of the wide geographical distribution, most professional managers did not realize the importance of explicit and systematic Knowledge Management (KM) - and this realization is still limited. The observations by Quinn, Anderson and Finkelstein in the *Harvard Business Review* that "Surprisingly little attention has been given to



University of Pretoria. Library Catalogue - Microsoft Internet Explorer

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Address <http://explore.up.ac.za/screens/mainmenu.html> Go Links

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Select options from the drop down menus, enter your search strategy and press Enter or click Submit.

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OR Search by Author & Title

Search other Collections

Study Collection Lecturer / Course Code

Exam papers Course Code / Department

New books

Search UPSpace

Click here to Search UPSpace

Theses & Dissertations(UPeTD)

e-books@TUKS

SACat (Sabinet)

Special Collections

Please request material unavailable from your home library via your [Interlending Account](#). See [Services per Faculty](#) to register as an Interlending User. Search [SACat \(Sabinet\)](#) for holdings available from other libraries OR

Search another library catalogue

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About GoogleScholar™

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(Read with your feed enabled browser or feed reader)

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New orders (Not yet received)

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Search for an item in libraries near you:

Enter title, subject or author and click the WorldCat ICON to search

WorldCat

Search Wikipedia

English

Click to Search

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# Library Catalogue – Book Cover & Rating

Address <http://explore.up.ac.za/search?%5Bknowledge+management&searchscope=9&SORT=D%5Bknowledge+management&searchscope=9&SORT=D&extended=0&SUBKE> Go Links

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[UP Catalogue Home] [Search Tips] [View & Renew Library Material] [My Library Record] [Interlending Requests + Info]

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 Return to List
 Modify Search
 More Like This
 Another Search

(Search History)

KEYWORD  View Entire Collection  Search

Save as preferred search

☐ Circulation History

☐ Limit search to available items

638 results found, sorted by relevance | [date](#) | [title](#)

Result page:

**Author Name** [McNabb, David E.](#)  
**Title** **Knowledge management** in the public sector : a blueprint for innovation in government / David E. McNabb.  
**Publisher** Armonk, N.Y. : M.E. Sharpe, c2007.

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| Mamelodi Open Shelves | <a href="#">MAM 352.38 McNABB</a> | IN     | ---  |

**Phys Descr** xvii, 325 p. : ill. ; 24 cm.

**Additional info:**

Knowledge Management in the Public Sector  
 A Research Report for the Department of Public Administration and Management

☆☆☆☆☆

Find this item at:

Google Scholar BETA





# Patron 2.0 = from content consumer to content creator

Current best example is our academics' & students' involvement with collections on the University's digital research repository, **UPSpace**.

The Library is responsible for the management of this repository.



<https://www.up.ac.za/dspace/>



University of Pretoria



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UPSpace at the University of Pretoria >

Welcome to UPSpace, the digital research repository of the University of Pretoria!

Items archived since January 2006: 1 793

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Enter some text in the box below to search UPSpace.

Go

#### Communities in UPSpace

Choose a community to browse its collections.

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How to submit an  
item to UPSpace

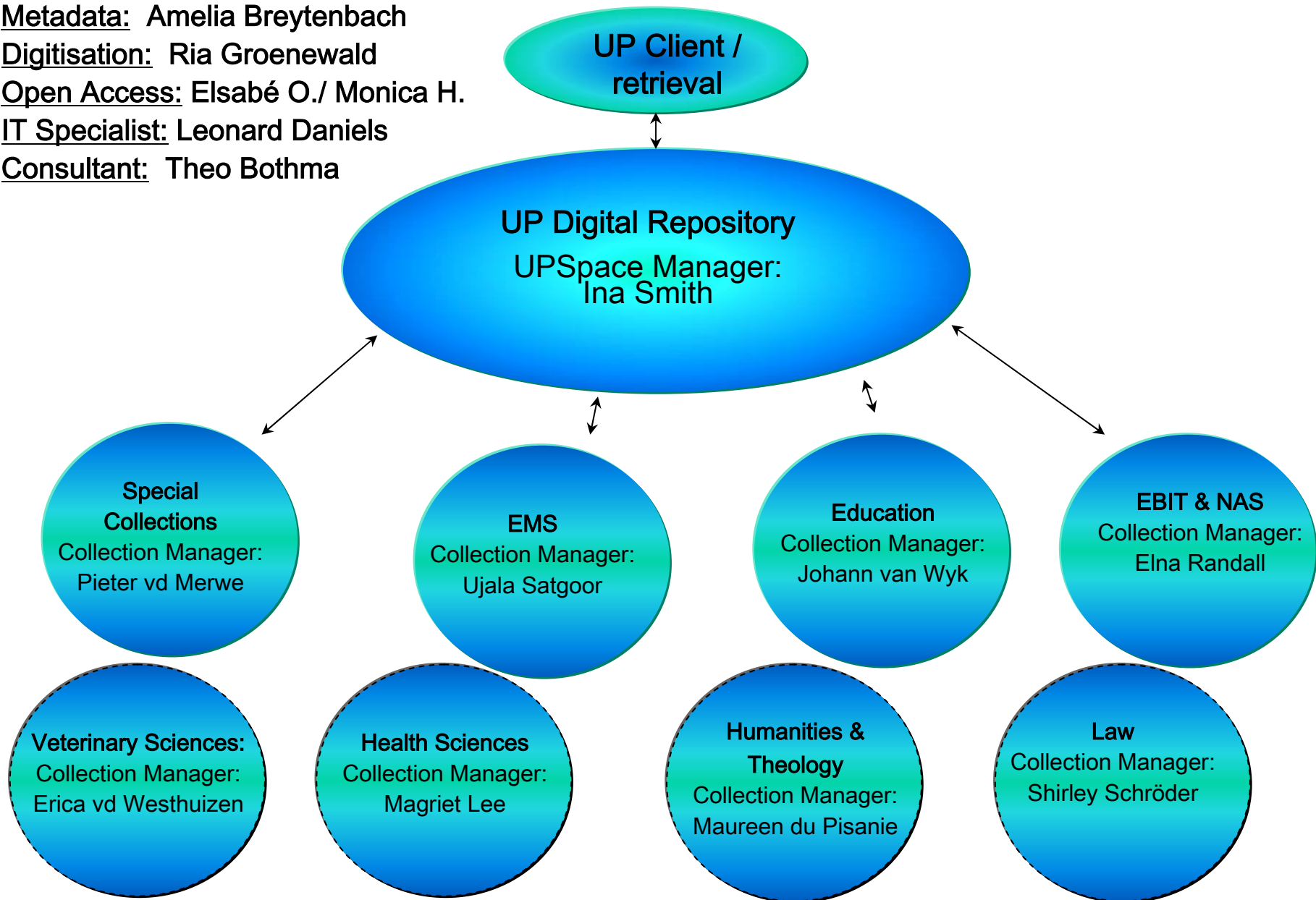
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# UP Digital Institutional Research Repository

## Specialist / expert roles:

- Metadata: Amelia Breytenbach
- Digitisation: Ria Groenewald
- Open Access: Elsabé O./ Monica H.
- IT Specialist: Leonard Daniels
- Consultant: Theo Bothma





# Examples UPSpace Content



## The influence of high energy proton bombardment on the electrical and defect properties of single-crystal ZnO

F D Azzet<sup>1</sup>, S A Goodman<sup>1</sup>, M Hayes<sup>2</sup>, M J Leggat<sup>1</sup> and D C Look<sup>2</sup>

<sup>1</sup> Physics Department, University of Pretoria, Pretoria 0002, South Africa  
<sup>2</sup> Semiconductor Research Center, Wright State University, Dayton Materials and Manufacturing Directorate, Air Force Research Lab

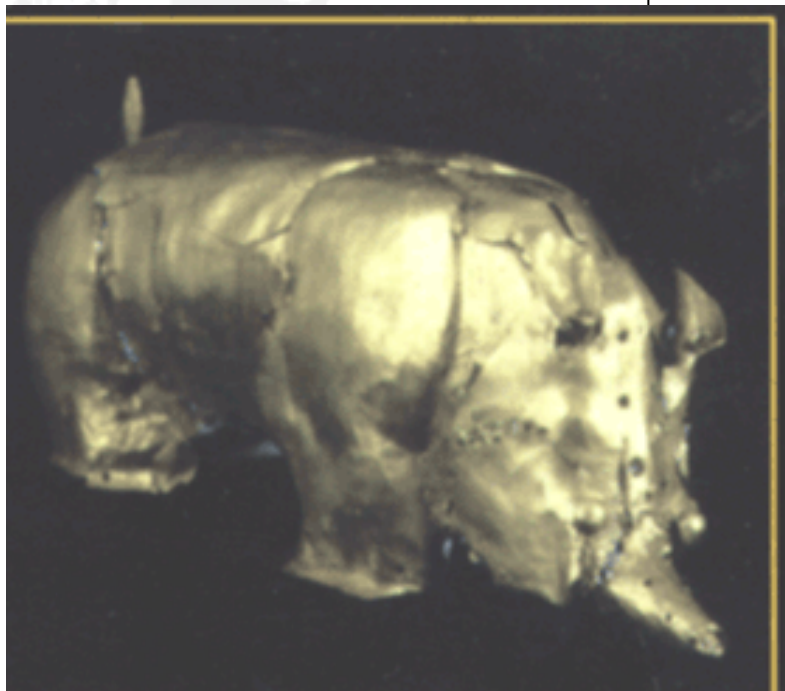
Received 6 June 2001  
Published 29 September 2001  
Online at [stacks.iop.org/JPhysCM/13/8989](http://stacks.iop.org/JPhysCM/13/8989)

**Abstract**  
We report on the electrical and defect characterization of single-crystal ZnO, before and after ion (1.8 MeV) protons. Prior to bombardment we observe traps (E1-E4), with energies between 0.10 and 0.57 eV, are present in the ZnO. High-energy proton bombardment creates two electron traps (E1 and E2), with extremely low capture cross-sections of 2.4 and 1.9 cm<sup>2</sup>, respectively. Schottky barrier reverse leakage current deteriorated from  $1 \times 10^{-8}$  A to  $1 \times 10^{-6}$  A after bombardment with a dose of 4  $\times 10^{16}$  cm<sup>-2</sup>. Compared to GaN we found that ZnO is remarkably resistant to proton bombardment.

### Introduction

ZnO is a wide-bandgap semiconductor material with a high band gap, is transparent in the visible range. It finds application in phosphors, pigments, piezoelectric transducers, varistors, transparent conducting films, the latter being important for transparent thin-film solar cells. From a recent review, where the properties of ZnO are discussed, it can be seen that ZnO has an experimental direct band gap of 3.4 eV (3.2 eV for bulk), making it a promising material for blue and ultra-violet (UV) light emitting devices, as well as day-light-blind UV detectors, as in the case for ZnO. Furthermore, the large band gap of ZnO renders it suitable for use as a substrate or buffer layer for the group III nitrides. In such devices, these devices often have to operate at elevated temperatures, in harsh radiation conditions comprising energetic p

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Department Anatomy and Physiology



# Use of Web 2.0 apps & services at our Library

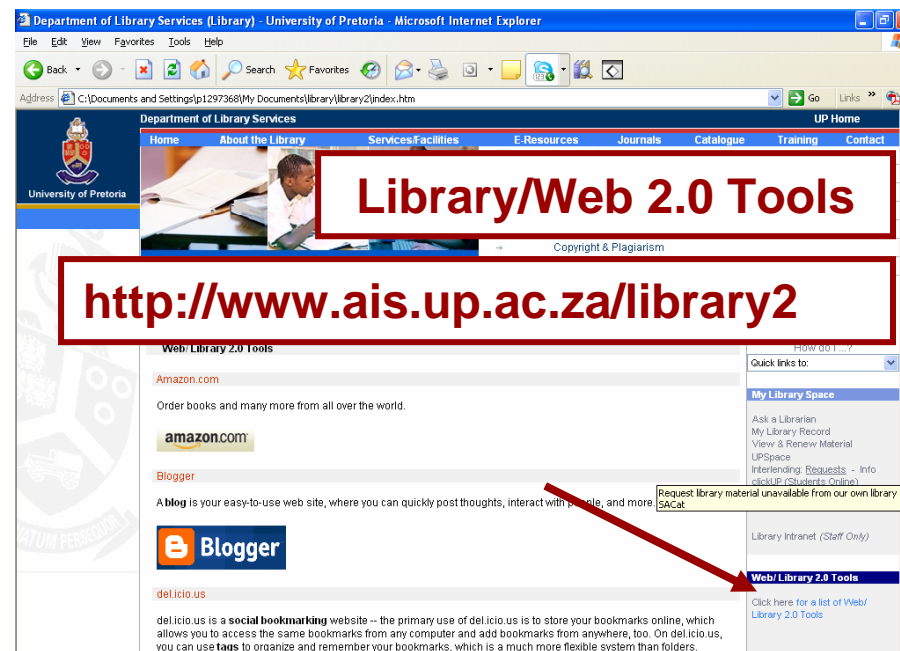
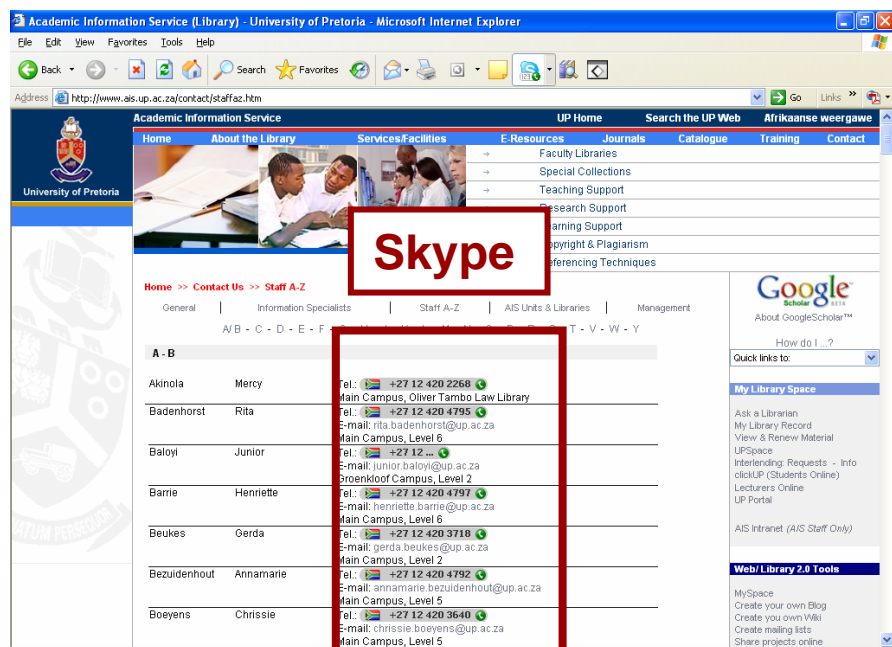
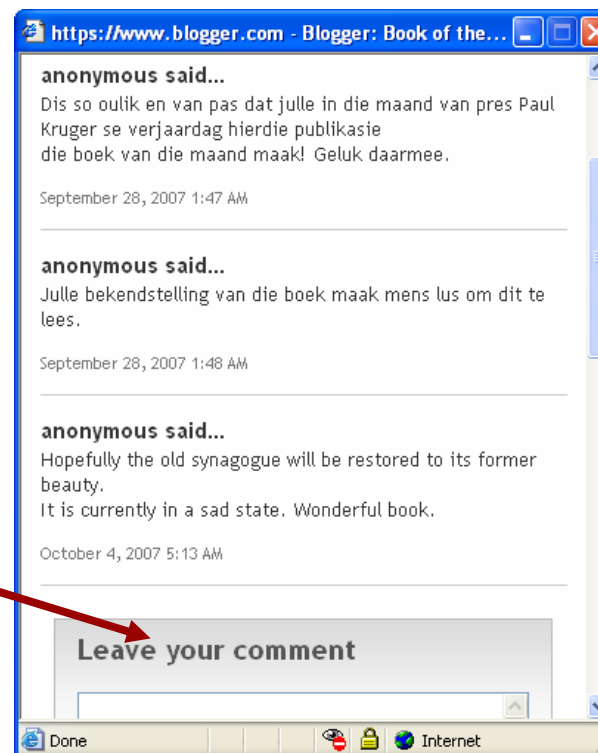
The screenshot displays the Academic Information Service (AIS) website of the University of Pretoria, viewed in Microsoft Internet Explorer. The page features various sections including news, new e-resources, trials, and search options. Red boxes and arrows highlight specific Web 2.0 services and features:

- feedblitz**: A red box highlights the "feedblitz" logo in the "Web/Library 2.0 Tools" section, which lists services like Social bookmarking with del.icio.us, Facebook, Web pages with Google Page Creator, and Online storage with myDataBus.
- RSS Feeds**: A red box highlights the "Library Feeds (RSS2.0)" section, which includes links for My Library Feeds, New items (Received), and New orders (Not yet received).
- Search other Collections**: A red box highlights the "Search other Collections" section, which includes links for Study Collection Lecturer / Course Code, Exam papers Course Code / Department, New books, Search UPSpace, and a link to Search UPSpace.
- Search WorldCat**: A red box highlights the "Search WorldCat" section, which includes a search bar and a "Search" button.
- Search Wikipedia**: A red box highlights the "Search Wikipedia" section, which includes a search bar and a "Click to Search" button.

The page also includes a "New E-Resources (e-books, e-journals, e-databases)" section with links to Foreign Law Guide, Uganda Online Law Library, and New Journal Titles. A "Trials (e-books, e-journals, e-databases)" section lists ebrary, Taylor & Francis, and Nature. A "Search strategy below" section provides a search bar and a "Submit" button. A "Search another library catalogue" dropdown menu is located at the bottom of the page.



**Special Collections Book of the Month**  
**-Blog & feedback**  
**-Links to amazon.com/ kalahari.net**





Upspace - Wikipedia, the free encyclopedia - Microsoft Internet Explorer

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# Upspace

From Wikipedia, the free encyclopedia

**UPSpace** (Institutional research repository of the [University of Pretoria](#)) is the name of the open access digital [institutional repository](#) of the [University of Pretoria, South Africa](#). A digital institutional repository in the context of a higher education institution can be defined as "a set of services that a university offers to the members of its community for the management and dissemination of digital materials created by the institution and its community members. It is most essentially an organizational commitment to the stewardship of these digital materials, including long-term preservation where appropriate, as well as organization and access or distribution."<sup>[1]</sup> UPSpace contains a collection of the intellectual/ research output produced by past and current researchers of the University of Pretoria. The spectrum of material covered in UPSpace includes the following:

Historical/ archival material - after it has been digitized; Research articles (scholarly publications); Popular research material; Unpublished research; Inaugural addresses; Conference proceedings; Technical reports; Open lectures, and many more.

The main objectives of an institutional repository are: 1) to enhance the visibility of the knowledge products created by an institution's members by providing easy open access, and 2) to preserve the intellectual output of the members of that community for years to come.

The open source platform, [DSpace](#), which was developed by an MIT-Hewlett Packard alliance, is used for UPSpace.

## Communities & Collections on UPSpace

- Centre for the Study of AIDS (CSA)
- Department of Library Services
- Economic & Management Sciences
- Education
- Education Innovation
- Engineering, Built Environment & Information Technology
- Health Sciences
- Humanities
- Law
- Mapungubwe Collections
- Natural & Agricultural Sciences

**University of Pretoria  
institutional digital repository  
(UPSpace) on Wikipedia**

navigation

- Main page
- Contents
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interaction

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WorldCat results for: no: 45799460. Record 1 of 1.

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Prev 1 Next Mark: ☐

Detailed Record

Ontologies :

A Silver Bullet for Knowledge Management and Electronic Commerce

2001 English Book ix, 138 p. : ill. ; 25 cm. Berlin ; New York : Springer, ; ISBN: 3540416021 (alk.)

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Availability **Check the catalogs in your library.**

- Libraries worldwide that own item: 169
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External Resources

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Title: **Ontologies : a silver bullet for knowledge management and electronic commerce /**

Author(s): [Fensel, Dieter.](#)

Publication: Berlin ; New York : Springer,

Year: 2001

Description: ix, 138 p. : ill. ; 25 cm.

Language: English

Standard No: ISBN: 3540416021 (alk. paper); 9783540416029 (alk. paper); National Library: 960436839 LCCN: 2001-18370

SUBJECT(S)

Descriptor: [Database management.](#)  
[Electronic commerce.](#)  
[Semantic Web.](#)

Note(s): Includes bibliographical references (p. [123]-138).

Class Descriptors: LC: [QA76.9.D3](#); Dewey: [005.74](#)

Responsibility: Dieter Fensel.

Vendor Info: Otto Harrassowitz Baker and Taylor YBP Library Services (HARR BTCP YANK) 59.00 DEM

Document Type: Book

Entry: 20010111

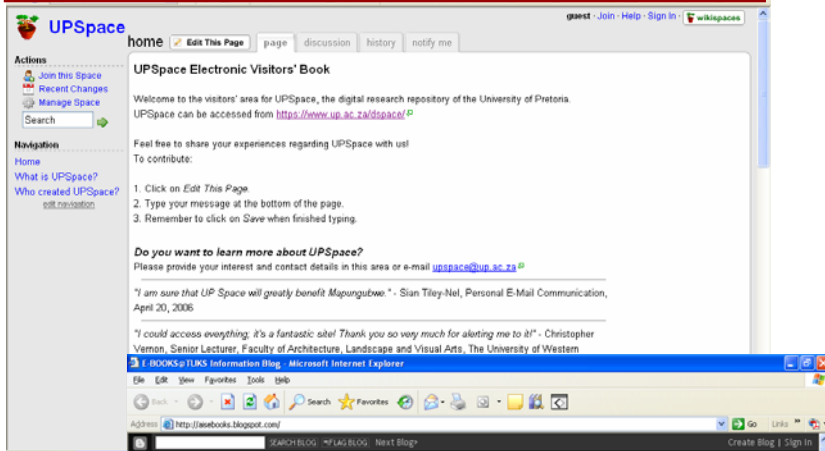
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Accession No: OCLC: 45799460

Database: WorldCat



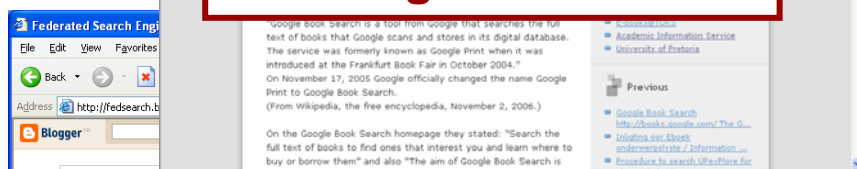
## Wiki: UPSpace Visitors' Book



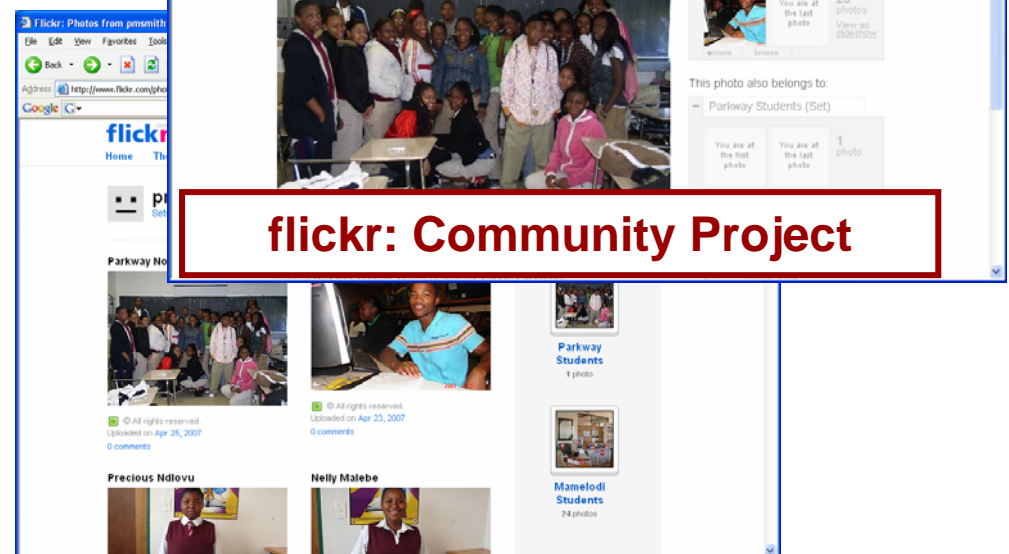
## Blog: Community Project



## Blog: E-Books



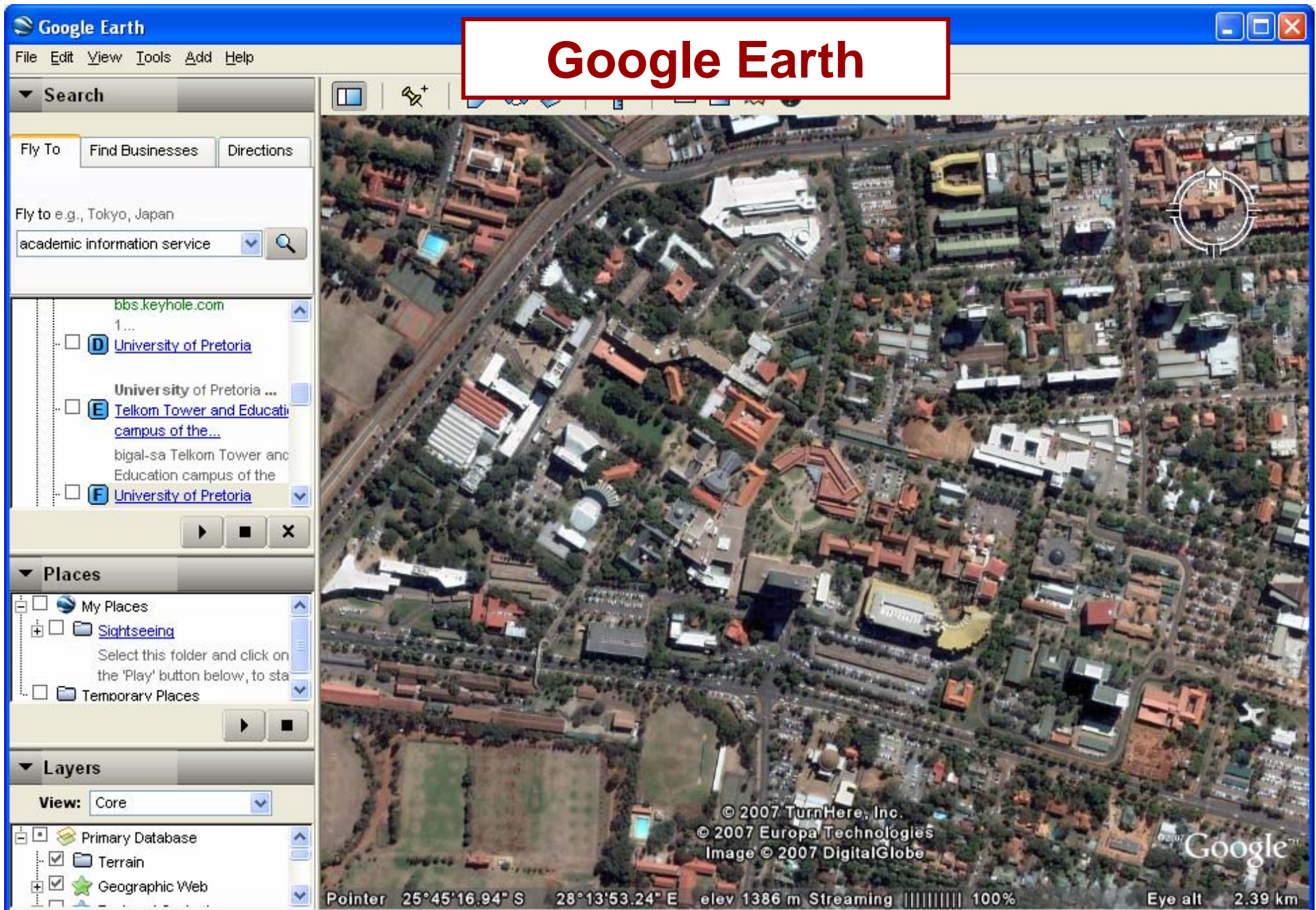
## flickr: Community Project



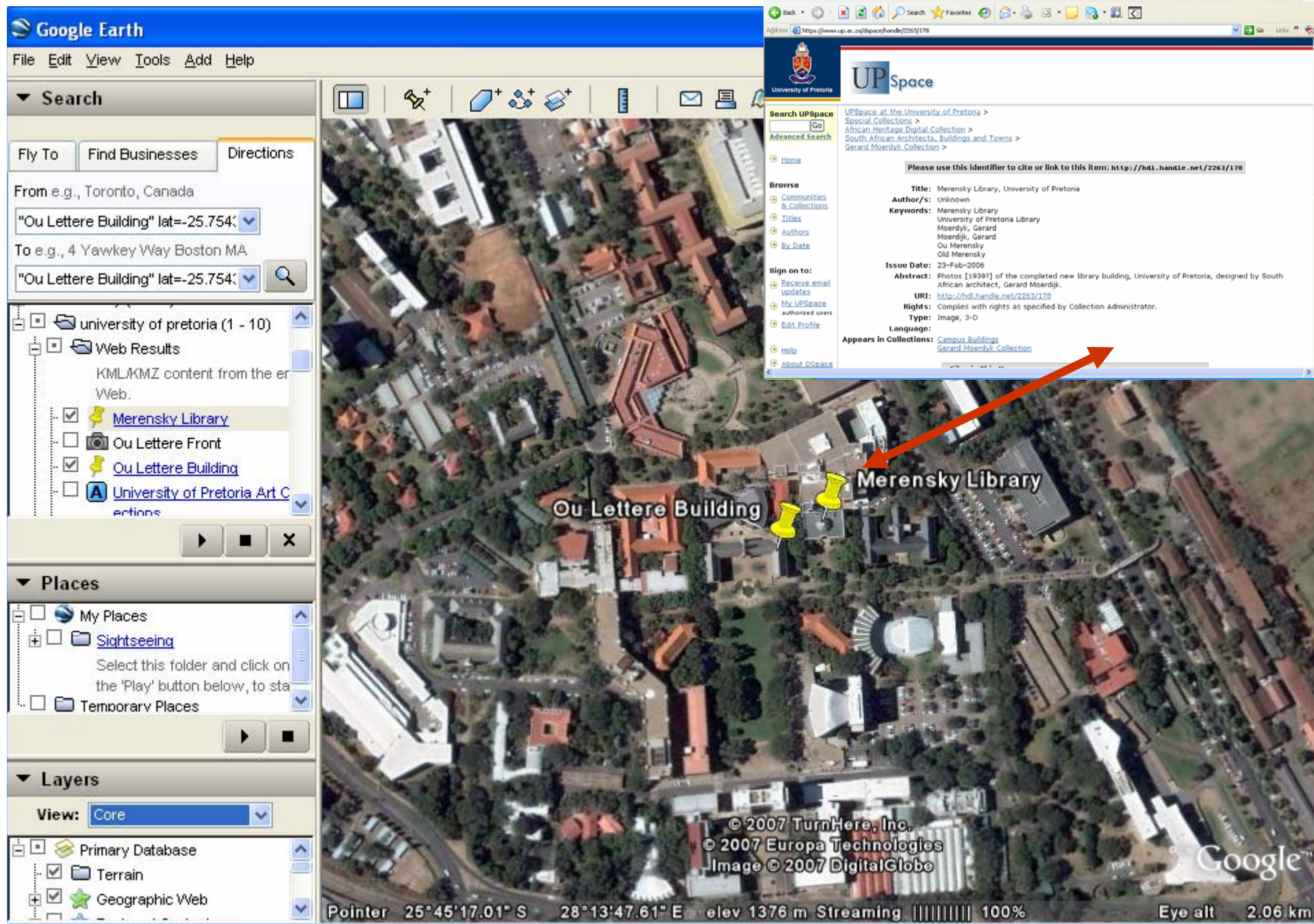
## Blog: Federated Search Engine













# Google Earth

File Edit View Tools Add Help

## Search

Fly To Find Businesses Directions

From e.g., New York, NY

"Ou Lettere Building" lat=-25.754:

To e.g., Niagara Falls, NY

"Ou Lettere Building" lat=-25.754:

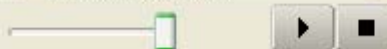


- 1 2 3
- university of pretoria (1 - 10)
- Web Results
- KML/KMZ content from the er
- Web.
- ☒ Merensky Library
- ☒ Merensky Library
- ☐ Ou Lettere Front
- ☒ Ou Lettere Building



## Places

- ☐ My Places
- ☐ Sightseeing
- Select this folder and click on the 'Play' button below, to sta
- ☐ Temporary Places



## Layers

View: Core

- ☐ Primary Database
- ☒ Terrain
- ☒ Geographic Web



Google Talk - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back

Search

Favorites

Address <http://www.google.com/talk/> Go Links

Google talk BETA

A Google approach to instant communications

English (US) - Help

Contacts

Roberto Karine Davi

Ana Available

Search, add, or invite

Davi Available

Karine Available

Roberto Muddy feet!

jazzguitar9

The Warrior (S K Y . F M - 80s, 80s

Monique

Google Talk Gadget <sup>New!</sup>

Start using Google Talk instantly, with no download, and get:

Instant messaging

Video previews in chat

All of your Gmail contacts

Photo previews in chat

Launch Google Talk

Google Talk is not a telephony service and cannot be used for emergency dialing  
By using Google Talk, you agree to our [Terms](#) and [Privacy Policy](#)

Want to add the Google Talk Gadget to your webpage or blog? [Get the code here.](#)

Google Talk Client

[Download the Google Talk client](#) for more features including:

File transfers

Voice calls

Voicemail

Gmail notifications

Scopus Live Chat

WELCOME TO SCOPUS LIVE CHAT.

Scopus Live Chat is an online technical support service available 24 hours a day, Monday to Friday.

Please enter your name and e-mail address if you are experiencing problems using Scopus and would like online assistance.

Required items indicated with \*.

Please enter your name \*

Ina

Send

Google Talk for Organizations - Terms - Privacy Policy - Google Home (5) Internet Explorer

# Google Talk

# Scopus



Facebook | UP Libraries Special Collections - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites RSS Print Mail

Address http://pretoria.facebook.com/group.php?gid=5184749529&ref=nf

facebook Profile edit Friends Networks Inbox

Search

Applications edit

- Photos
- Groups
- Events
- Marketplace
- Zombies
- more

UP Libraries Special Collections

Information

Group Info

Name: UP Libraries Special Collections

Type: Organizations - Academic Organizations

Description: Group for the University of Pretoria Special Collections

Contact Info

Email: african@up.ac.za

Website: http://www.ais.up.ac.za/special/index.htm

Office: Merensky Library, Level 5, Special Collections

City/Town: Pretoria, South Africa

View Discussion Board

Join this Group

Share

Recent News

Tea for Mr and Ms Woodhouse

Photos

Displaying 2 photos. See All

Videos

No one has uploaded any videos.

Posted Items

No one has posted any items.

Related Groups

- Die Grensraad Komitee
- Organizations - Community Organizations
- Proudly South African
- Geography - Countries
- anton gossen en die bushrockband
- Music - Afrikaans
- Common
- Voyage
- Organizations

# Facebook

# LinkedIn

LinkedIn: Leonard Daniels - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites RSS Print Mail

Address http://www.linkedin.com/pub/4/85/95b

Leonard Daniels

IT Data Administrator at University of Pretoria

Johannesburg Area, South Africa

Contact Directly

Get introduced through a connection

Public profile powered by: LinkedIn

Create a public profile: Sign In or Join Now

Current • IT Data Administrator at University of Pretoria

Connections • 3 connections

Industry • Education Management

Leonard Daniels's Experience

IT Data Administrator

University of Pretoria

(Education Management industry)

November 2006 — Present (1 year)

Leonard Daniels's Contact Settings

Interested In:

- job inquiries
- business deals
- getting back in touch

Full Profile

View Leonard's full profile:

- See who you and Leonard Daniels know in common
- Get introduced to Leonard Daniels
- Contact Leonard Daniels directly

View Full Profile

Name Search

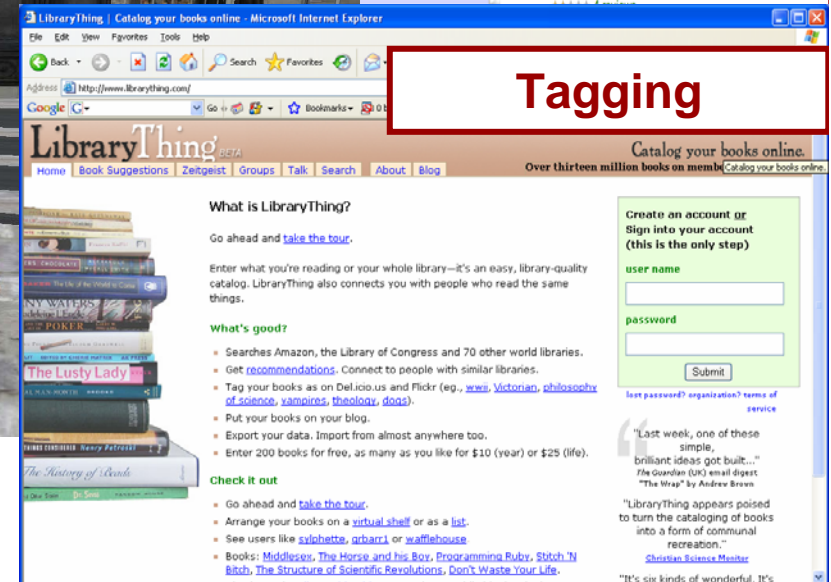
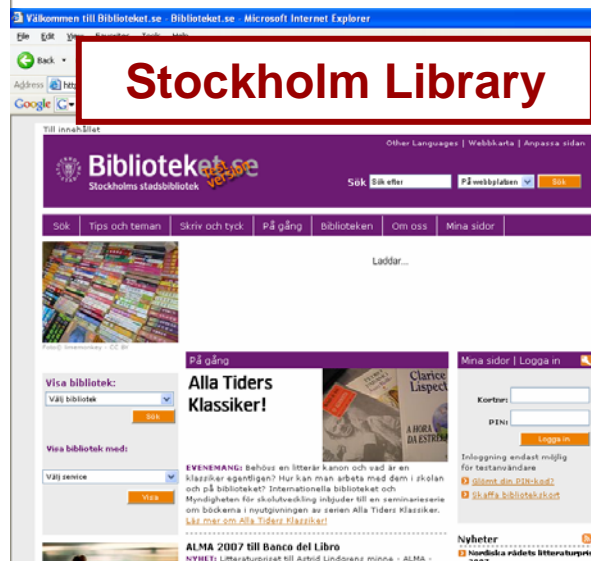
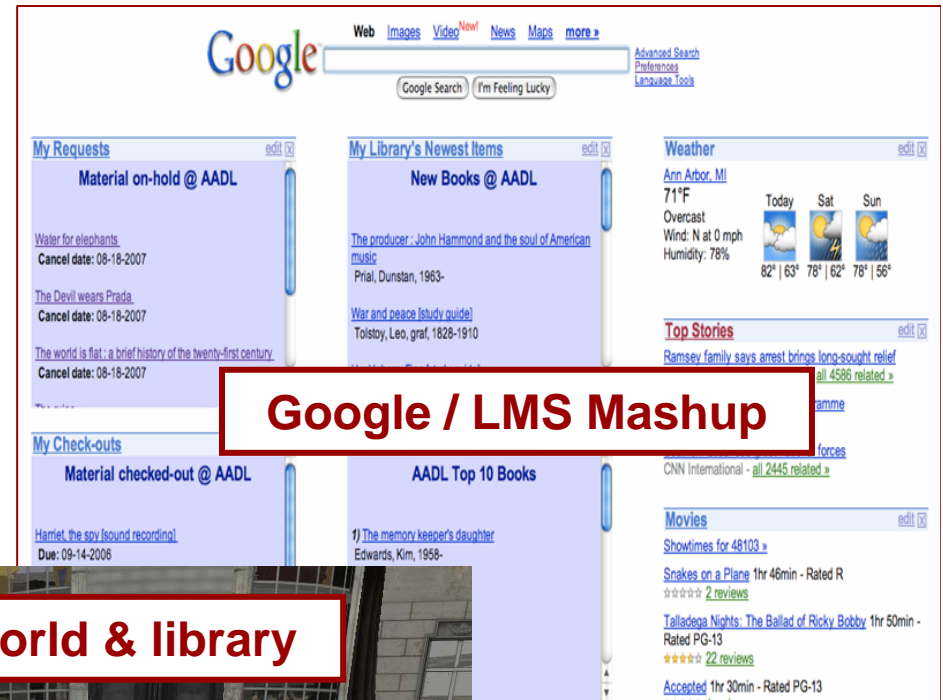
Search for people you know from over 13 million professionals already on LinkedIn.

First Name Last Name

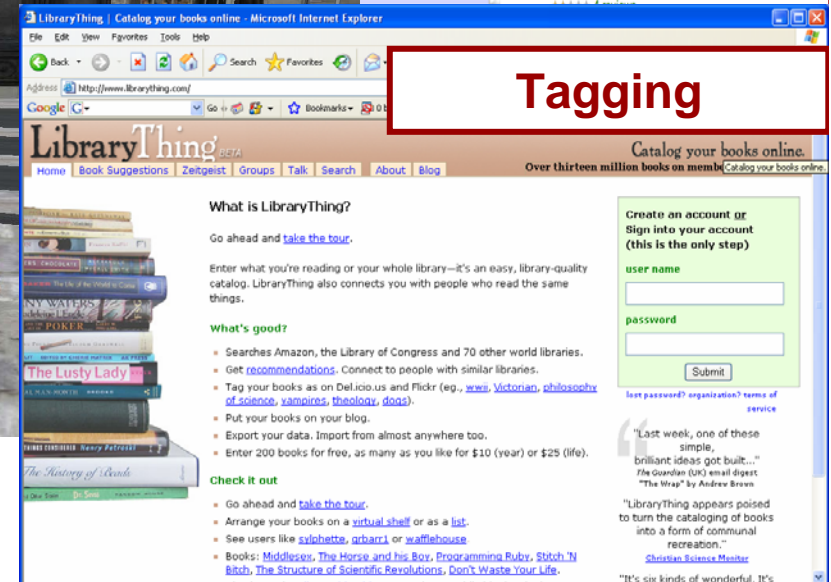
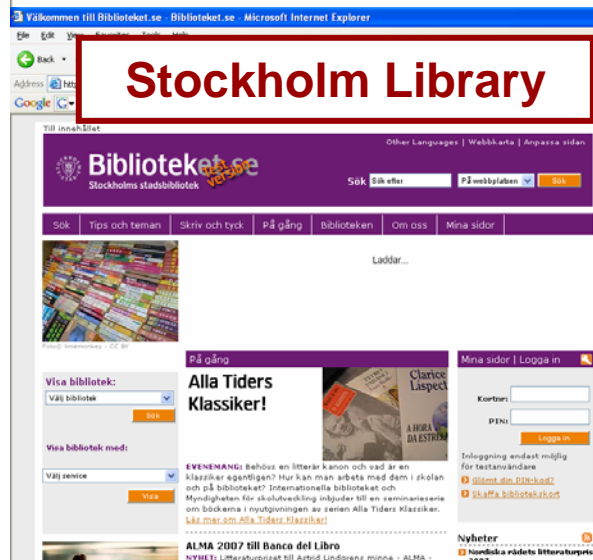
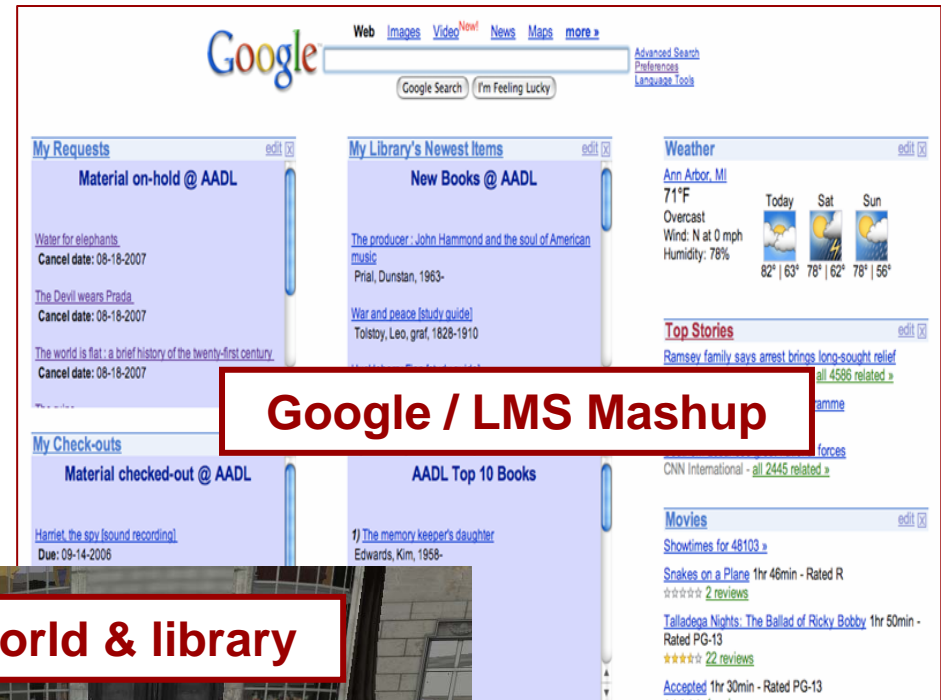
(example: Leonard Daniels)

Search

# International examples of Web / Library 2 tools

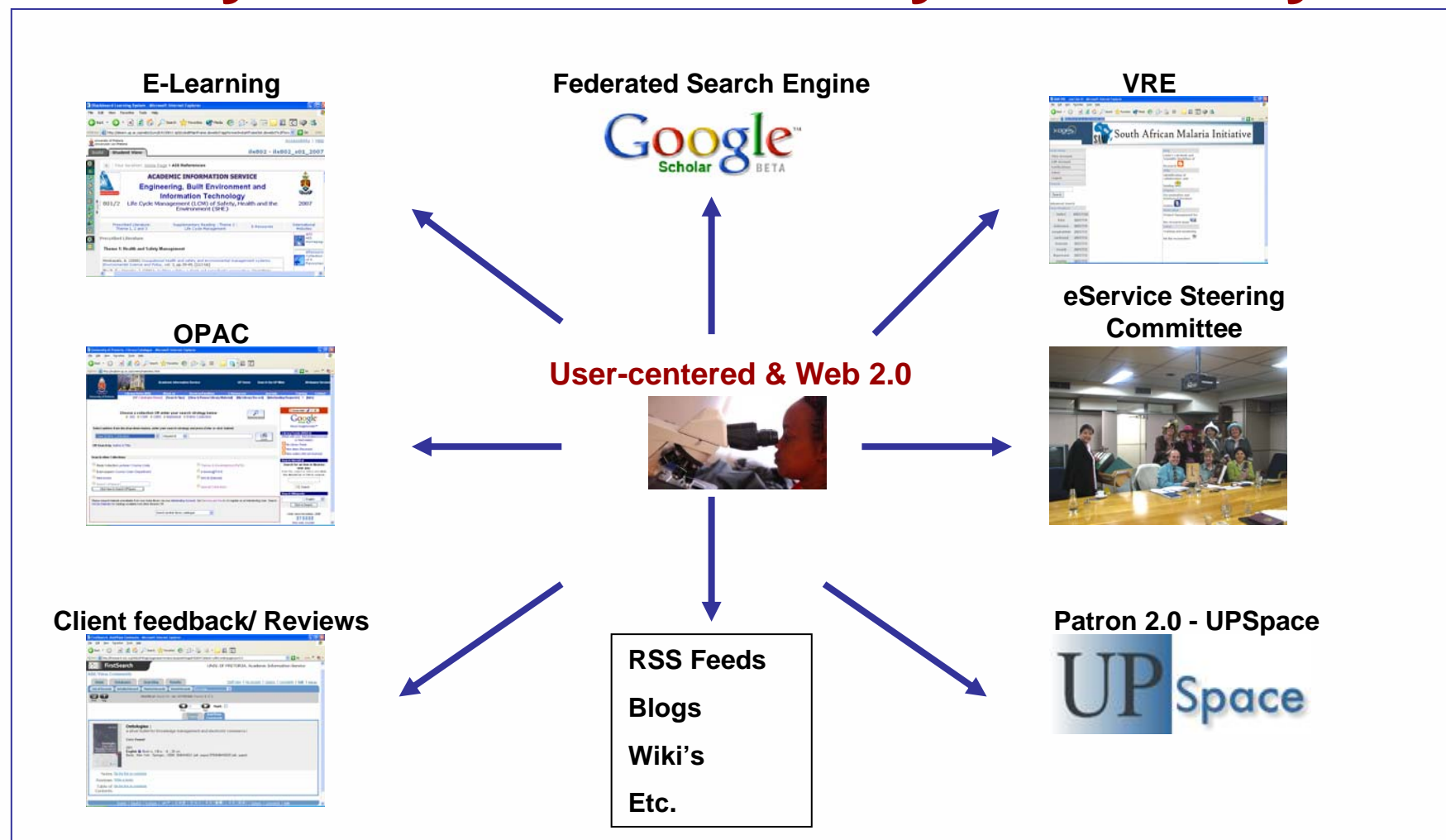


# International examples of Web / Library 2 tools





# In conclusion ... we are well on our way to become a Library 2.0 Library!



<http://stardata.nrf.ac.za/nadicc/>



1st African Digital Curation Conference

## African Digital Curation Conference

[Home](#) | [Registration](#) | [Accommodation](#) |

### 1st African Digital Management and Curation Conference and Workshop

12 and 13 February 2008, at the CSIR Convention Centre, Pretoria

Preliminary Programme

Conference fee: R2 500 p/p

#### Day 1: Conference

08:00 – 08:30

**Registration**

08:30 – 09:00

**Welcome and Keynote:** The implications of the OECD declaration for African/ South African policy on research data and information management and curation, *Department of Science and Technology representative*

09:00 – 11:00

Theme 1: Overview : International trends

- eScience : providing context, *Hans Falk Hoffmann, CERN*
- International data policy overview, *Paul Uhler Director, Office of International S&T Information Programs and*

A collaborative initiative under the auspices of:



Collaborative partners:







# Bibliography

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<http://members.fotki.com/LadySmiles/>
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- 

# Presenters



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**Ms Ina Smith**

**[ina.smith@up.ac.za](mailto:ina.smith@up.ac.za)**