



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

Heila Pienaar & Ina Smith

73<sup>rd</sup> IFLA General Conference & Council

22 August 2007



# 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/>)

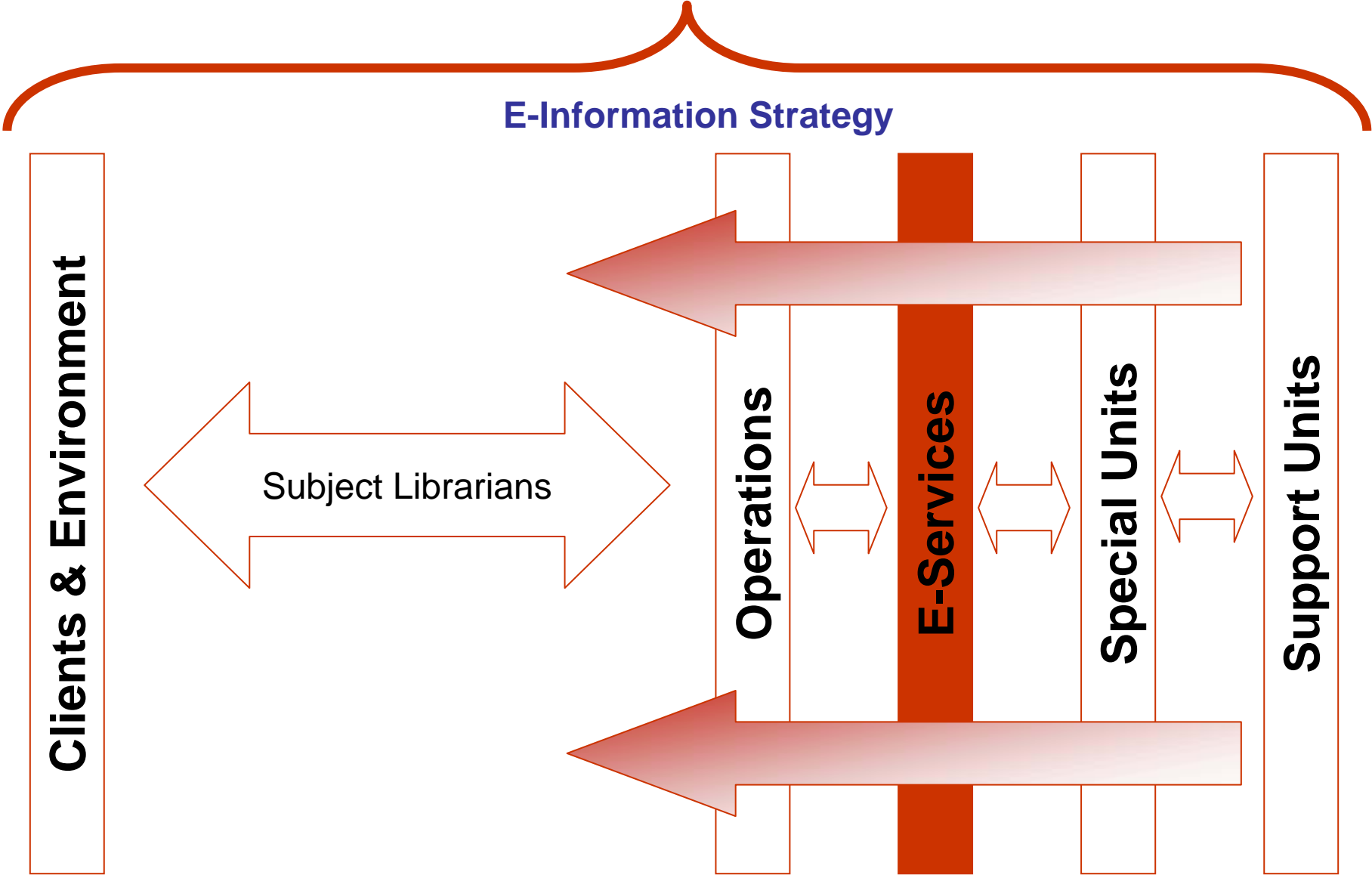


# Library's e-Information Strategy

- **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





# 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



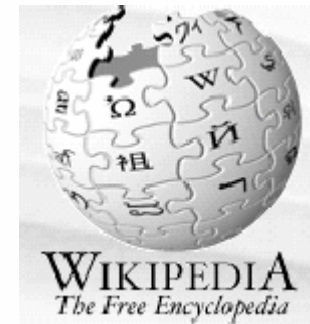
# Web 2.0

- **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







# Community & Collaboration on the Web

“It's a story about **community and collaboration on a scale never seen before**. It's about the cosmic compendium of knowledge **Wikipedia** and the million-channel people's network **YouTube** and the online metropolis **MySpace**. It's about the many wresting power from the few and helping one another for nothing and how that **will not only change the world, but also change the way the world changes.**”

Time's Person of the Year 2006: You.

<http://www.time.com/time/magazine/article/0,9171,1569514,00.html>





# Common traits of 2.0 services

- Interactivity
- Respects and leverages user contributions
- Complementary/ compatible/ cross-referential
- Treats info as a conversation
- Emphasis on ease of use
- Sharing – use/reuse/remix/mashups encouraged

(Schneider 2007)





# 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)





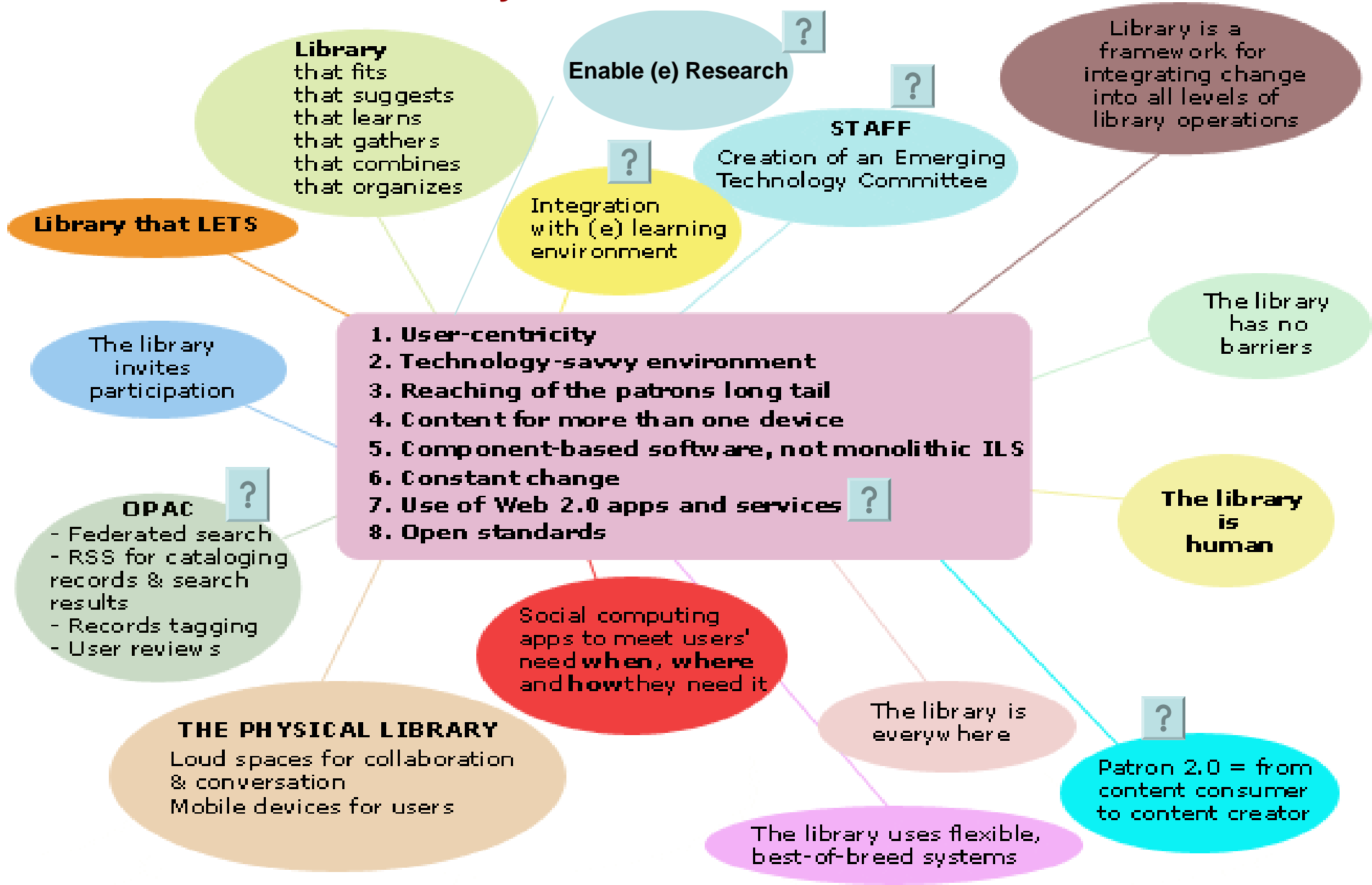
# Key Library 2.0 concepts

- The library is everywhere
- The library has no barriers
- The library invites participation
- The library uses flexible, best-of-breed, component-based systems
- The library is a human-centered organization

(Schneider 2007)



# Library 2.0 Service Model



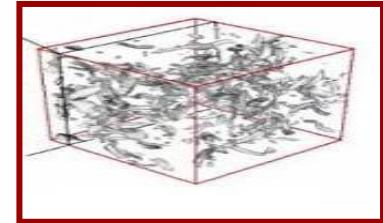
# Enable e-Research

## 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



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



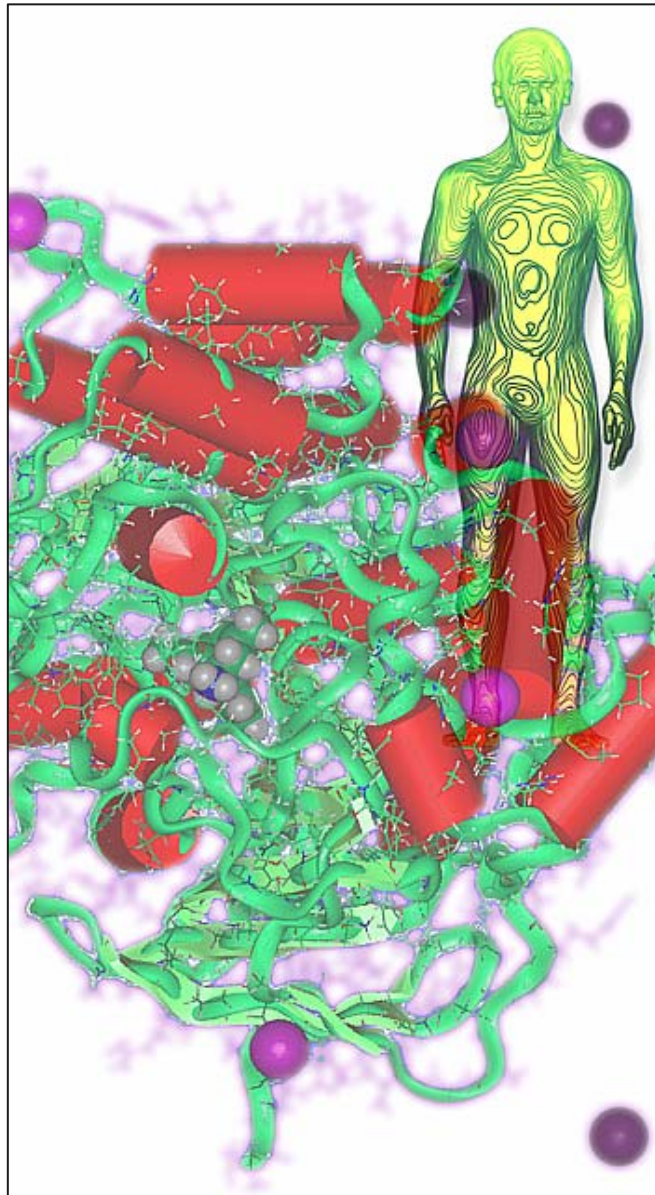


# The e-Science / e-Research **Data** Life Cycle

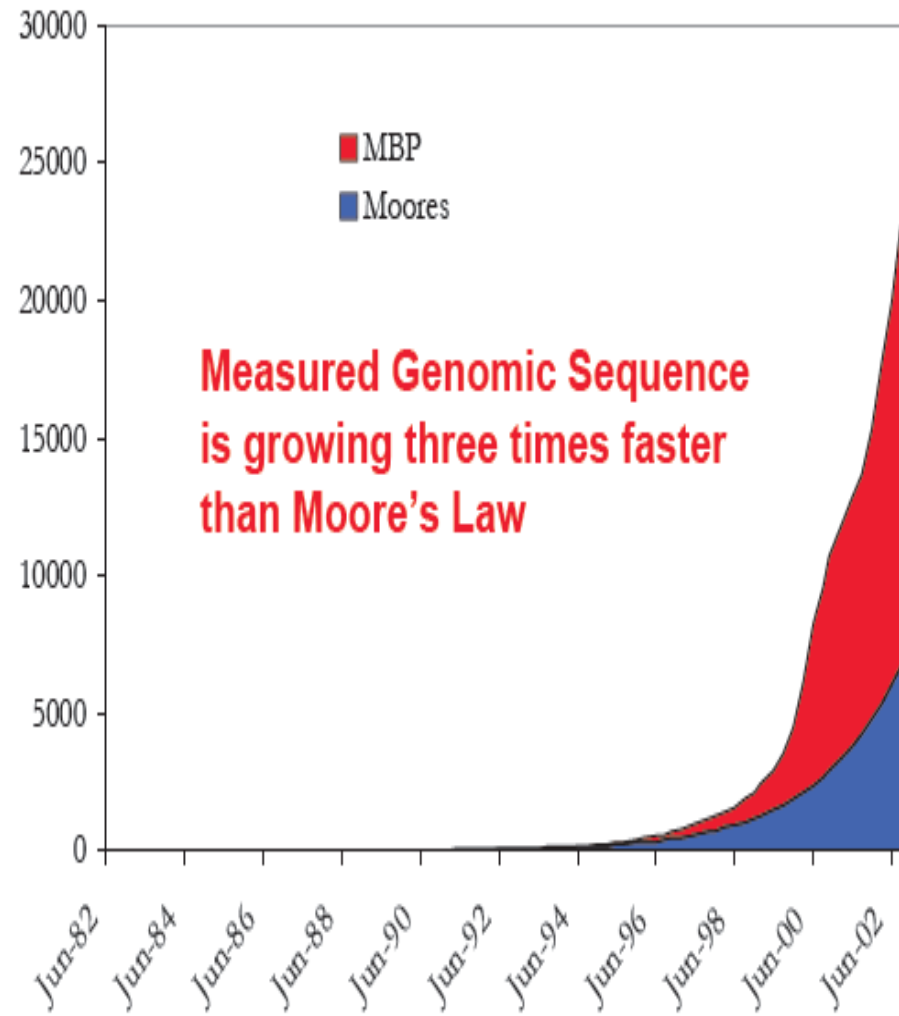
- Data Acquisition
- Data Ingest
- Metadata
- Annotation
- Provenance
- Data Storage
- Data Cleansing
- Data Mining
- Curation
- Preservation







# The Genomic Data Explosion



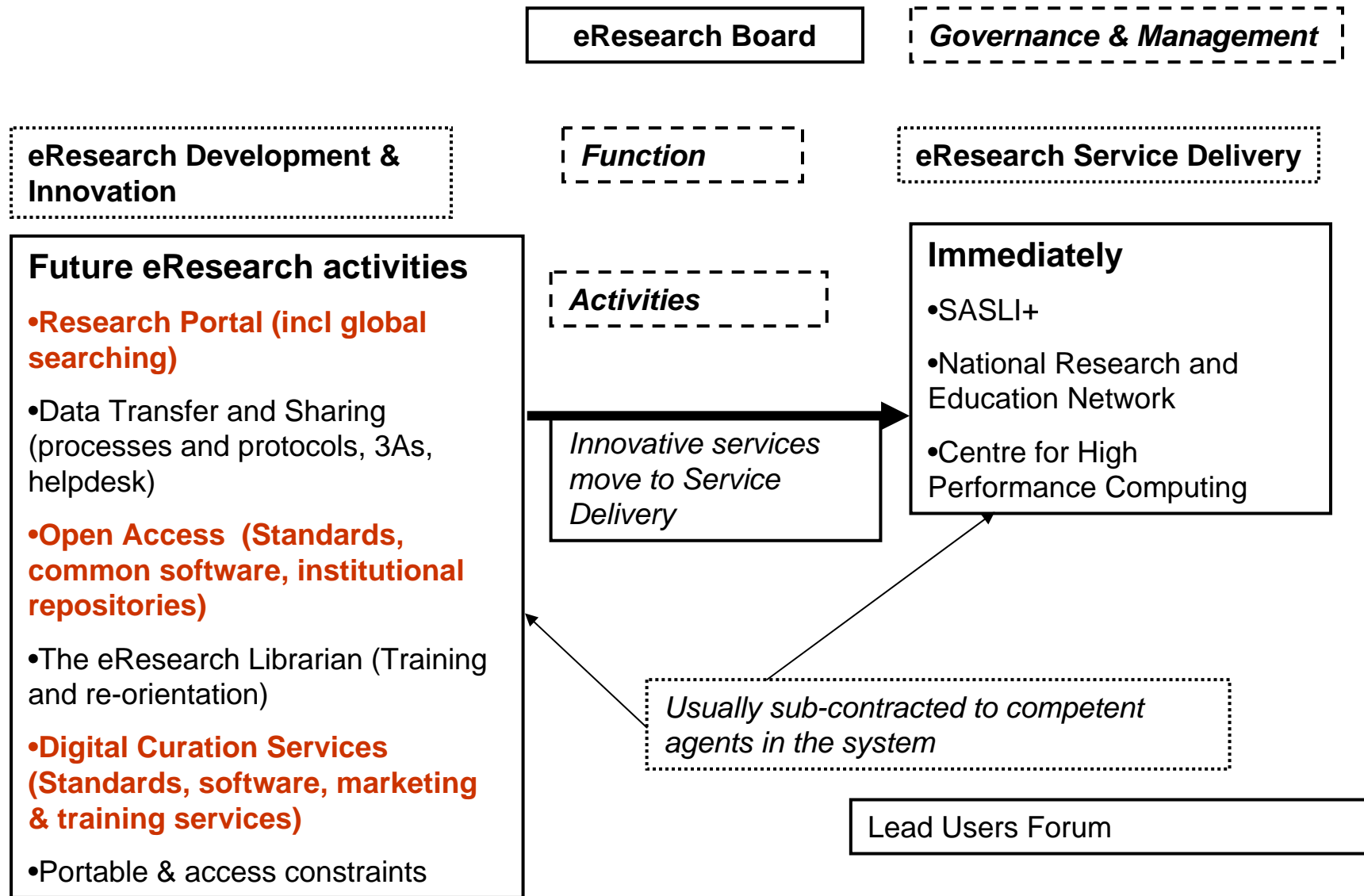
**Measured Genomic Sequence is growing three times faster than Moore's Law**

Courtesy: Graham Cameron



Chris Jones  
Sciences on the GRID  
February 2006

# E-Research Support Service for SA



# Integrated VRE for Malaria Research in South Africa

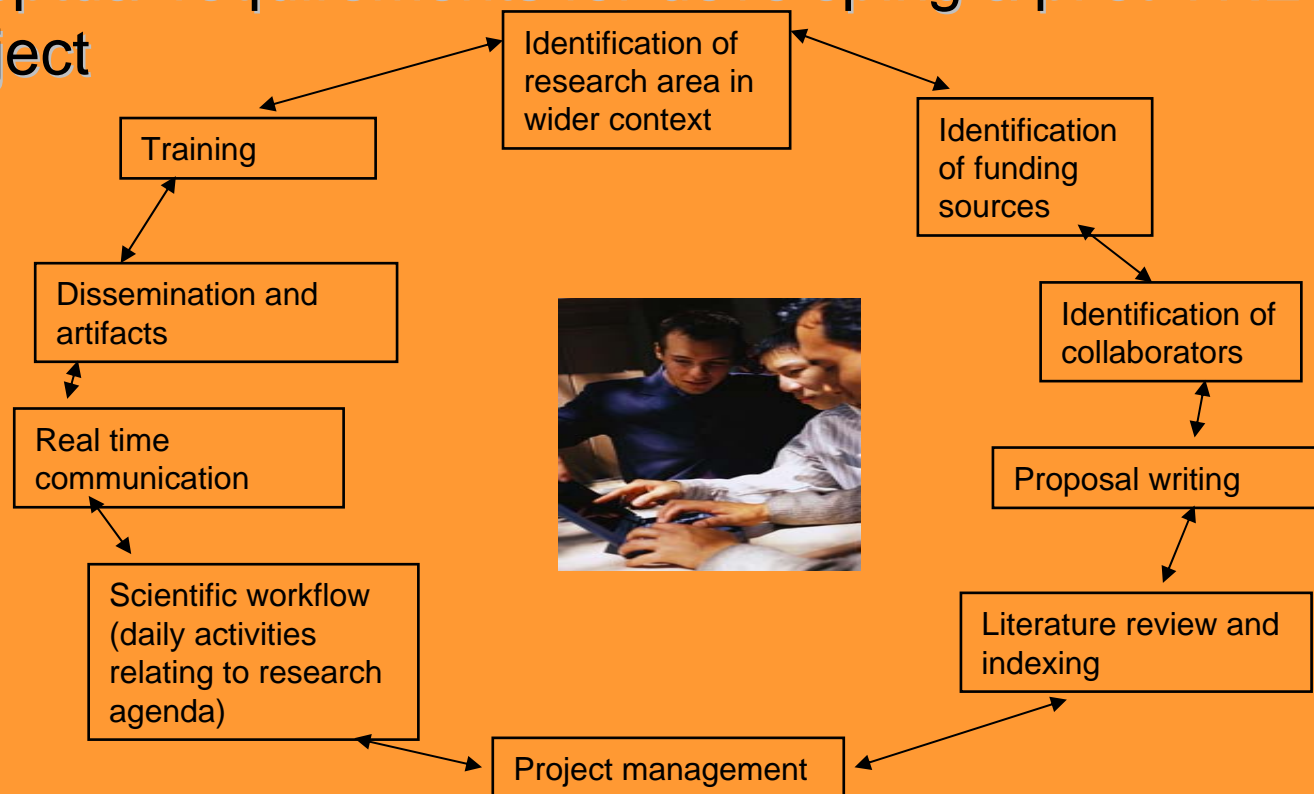
To improve research efficiency

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



## South African Malaria Initiative

### User Menu

View Account

Edit Account

Notifications

Inbox

Logout

### 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 Refresh 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

University of Pretoria  
Universiteit van Pretoria

Accessibility | Help

Build Student View

ile802 - ile802\_s01\_2007

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

**ACADEMIC INFORMATION SERVICE**  
**Engineering, Built Environment and Information Technology**

ile801/2 Life Cycle Management (LCM) of Safety, Health and the Environment (SHE) 2007

Prescribed Literature: Theme 1, 2 and 3    Supplementary Reading : Theme 3 : Life Cycle Management    E-Resources    International Websites

Prescribed Literature

**Theme 1: Health and Safety Management**

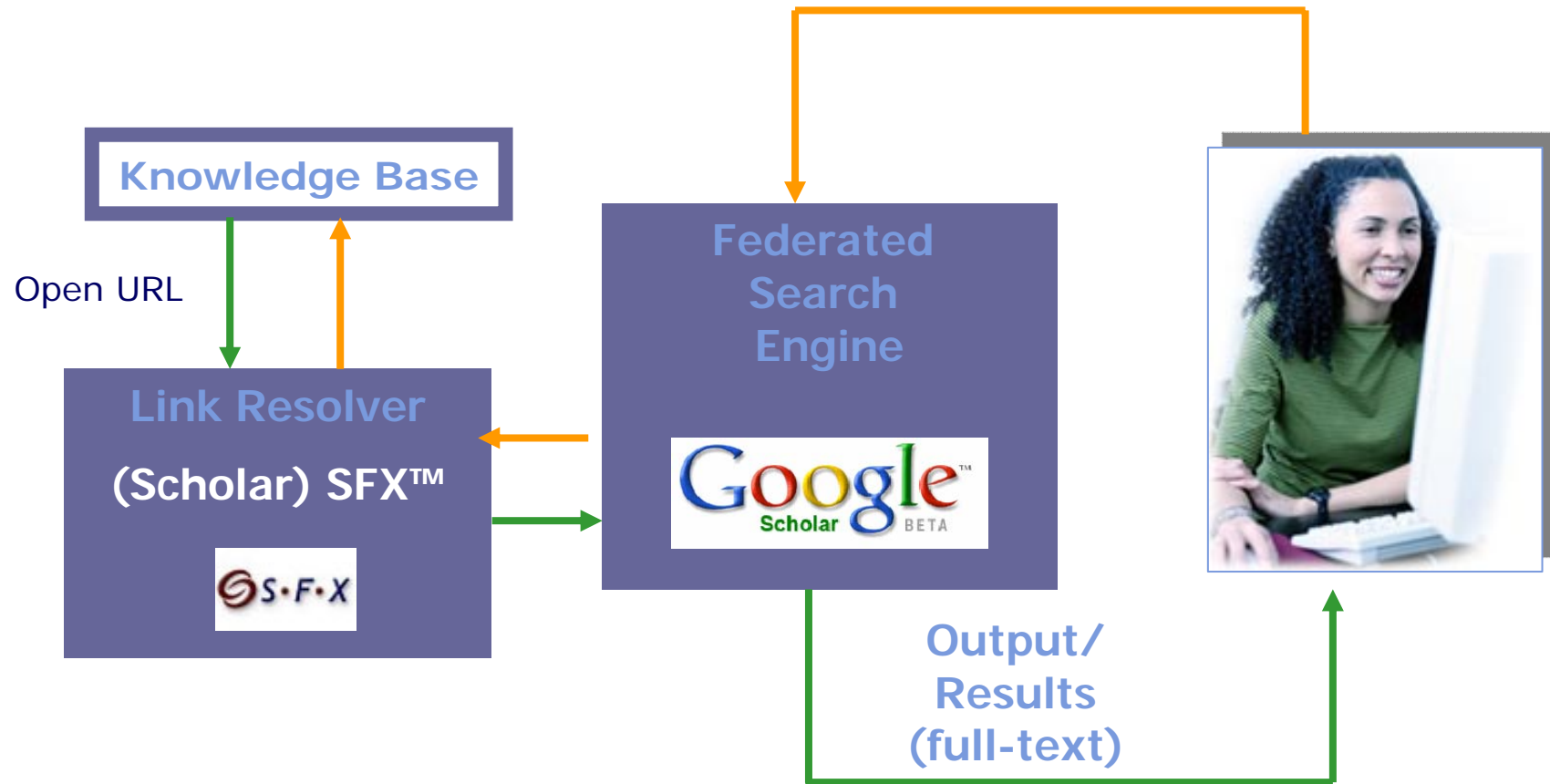
Honkasalo, A. (2000) [Occupational health and safety and environmental management systems](#). *Environmental Science and Policy*, vol. 3, pp.39-45, [113 kb]

Muht, D.; Knowles, J. (2001). [Auditing safety: a client and consultant's perspective](#). Operations

AIS AIS Homepag  
eResource Collection of E Resources

# Federated search

Google Scholar + Scholar SFX = Solution for Africa





SK Chang, QY Shi, CW Yan - IEEE Transactions on Pattern Analysis and Machine ... , 1987 - portal.acm.org  
... of the first ACM/IEEE-CS joint conference on Digital **libraries**, p.300-309 ... of the eighth international conference on Information and **knowledge management**, p.27-37 ...  
[Cited by 358](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Odd Couple: Making Sense of the Curious Concept of Knowledge Management - SFX@University of Pretoria](#)

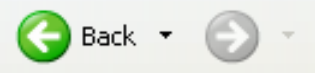
M Alvesson, D Kärreman - Journal of **Management Studies**, 2001 - ingentaconnect.com  
... **Knowledge Management** as Extended **Libraries** This type of extensive use of the available technology – databases, advanced ...  
[Cited by 100](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Link to full text article

[Knowledge Management: An Introduction and Perspective - SFX@University of Pretoria - group of 4 »](#)

KM Wiig - Journal of **Knowledge Management**, 1997 - emeraldinsight.com  
... **Knowledge** creation, **Knowledge Management**, **Knowledge Management** strategies, **Knowledge** processes Article Type ... About **Library** Link; News; Features; **Library** ...  
[Cited by 79](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)





Access full text within "3 clicks"

Address http://0-www.emeraldinsight.com.innopac.up.ac.za/Insight/viewContentIte

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Athens L

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### Article Request

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You have requested to view the document below.  
Please select from the following options:

[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



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- Search & Browse
- Quick Search
- Advanced Search
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University of Pretoria. Library Catalogue - Microsoft Internet Explorer

File Edit View Favorites Tools

Address http://explore.up.ac.za/screens/mainmenu.html

**Library Catalogue (OPAC) RSS Feeds**

Academic Information Service UP Home Search the UP Web Afrikaans Version

Library Home (AIS) About us Services/Facilities E-Resources Journals Training Contact

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

Choose a collection OR enter your search strategy below

▶ AIS ▶ CSIR ▶ GIBS ▶ Mamelodi ▶ Entire Collection

Advanced Search

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

View Entire Collection Keyword Submit

OR Search by Author & Title

Search other Collections

- Study Collection Lecturer / Course Code
- Exam papers Course Code / Department
- New books
- Search UPSpace
- Theses & Dissertations (UPeTD)
- e-books@TUKS
- SACat (Sabinet)
- Special Collections

Click here to Search UPSpace

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

BOOKMARK

Google Scholar BETA

About GoogleScholar™

**Library Feeds (RSS2.0)**

(Read with your feed enabled browser or feed reader)

- My Library Feeds
- New items (Received)
- New orders (Not yet received)

Search WorldCat

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

Visits since November, 2006

**373420**

free web counter

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

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Logged in at University of Pretoria/CSIR/All Locations as SMITH, C C MRS

LOGOUT Patron Record New Search Place Hold Save Records Return to List Modify Search More Like This Another Search

(Search History)

KEYWORD knowledge management 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: Previous Next

**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.

Connect to [Table of contents only](#)

LOCATION	CALL NO	STATUS	NOTE
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

☆☆☆☆

Find this item at:

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# 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**.

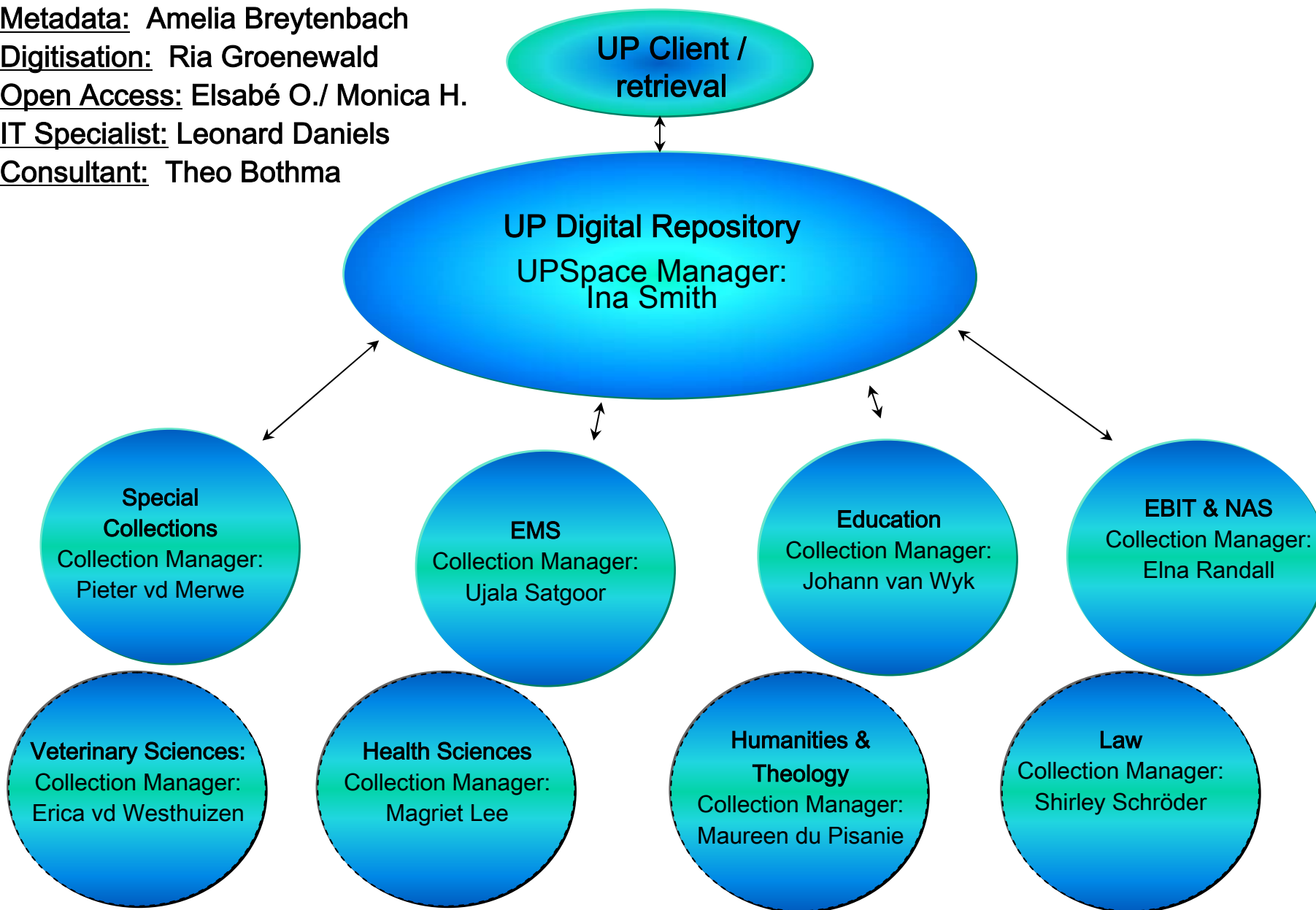
The Library is responsible for the management of this repository.



# 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 Azzret<sup>1</sup>, S A Goodman<sup>1</sup>, M Hayes<sup>2</sup>, M J Legod and D C Look<sup>2</sup>

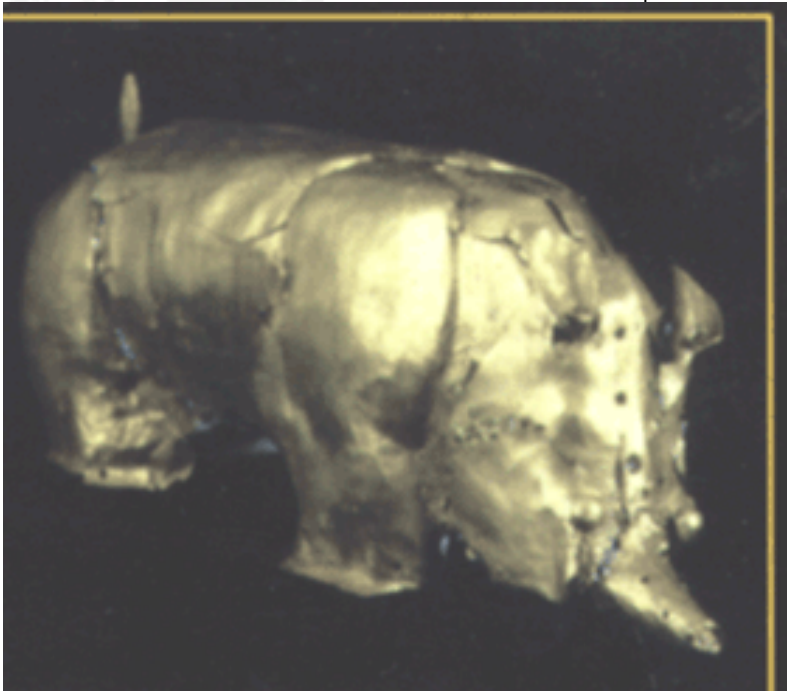
<sup>1</sup> Physics Department, University of Pretoria, Pretoria 0002, South Africa  
<sup>2</sup> Semiconductor Research Center, Wright State University, Dayton Materials and Manufacturing Directorate, Air Force Research Lab

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 characteristics of single-crystal ZnO, before and after irradiation with 1.8 MeV protons. Prior to bombardment we observe two 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 (Ep1 and Ep2), with extremely low reverse leakage currents deteriorated from  $1 \times 10^{-8}$  A to  $1 \times 10^{-6}$  A after bombardment with a dose of 4 C/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, it finds application in phosphors, paints, piezoelectric transducers, varistors, transparent conducting films, the latter being important for thin-film solar cells. From a recent review, where the properties of ZnO are discussed, it can be seen that ZnO is also used for several other, more sophisticated, electronic devices. ZnO has an experimental direct band gap of 3.4 eV, making it suitable for blue and ultra-violet (UV) light emitting devices, as well as day-light-blind UV detectors, as in the case for ZnO. ZnO is also used for transparent conductive thin films, for example, 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 often have to operate at elevated temperatures, in harsh radiation conditions comprising energetic protons.

©University of Pretoria - Veterinary Science:  
 Department Anatomy and Physiology



# Use of Web 2.0 apps & services at our Library

The screenshot shows the Academic Information Service (AIS) website of the University of Pretoria. The page features several sections:

- Women's Day 2007:** Celebrations around Women's Day 2007, featuring Professor of Computer Science as an exceptional woman achiever. Includes a small display in the foyer of Special Collections (30 July - 31 August 2007) and Special Collections **Book of the Month for August 2007: Life and Soul** portraits of women who move South Africa ©2006/ Karina Turok.
- Did you read this book?** Please send us your comments.
- Virtual exhibit of UP Publications:** Click here. With the UP centenary coming up we strive to boast a complete collection of publications from the pen of UP academics. Please be reminded of your obligation to donate a copy of your book to the collection. Contact katrien.malan@up.ac.za
- New E-Resources (e-books, e-journals, e-databases):**
  - Foreign Law Guide (from 3 August 2007)
  - Uganda Online Law Library (from 1 August 2007)
  - New Journal Titles
- Trials (e-books, e-journals, e-databases):**
  - ebrary - 30 eBooks on South African culture, history and travel (until 30 August 2007) - Feedback
  - Taylor & Francis - Access 17,000 eBooks (until 30 August 2007) - Feedback
  - Nature - International weekly journal of science (until 13 August 2007) - Feedback

Annotations on the screenshot include:

- feedblitz:** A red box highlights the 'feedblitz' logo and the 'Feedback' links next to the e-resources and trials sections.
- 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)'.

Other visible elements include the 'Search other Collections' section with links to 'Study Collection Lecturer / Course Code', 'Exam papers Course Code / Department', 'New books', and 'Search UPSpace'. There is also a 'Search WorldCat' section and a 'Search Wikipedia' section. The page footer shows 'Visits since November, 2006 373278 free web counter'.



# Special Collections Book of the Month

## -Blog & feedback

## -Links to amazon.com/ kalahari.net

Born 10 March 1927 on Doringkraal farm in Namaqualand, Northern Cape, Greville Adams tells a South African oral history of the people and places of Namaqualand through her poetic Afrikaans songs and riddles.

married to editorial cartoonist Jonathan Shapiro. They have two children, Tevya and Nina.

Please post comments to our blog

Order this book directly from

**kalahari.net**

Born 29 January 1984 in Cape Town. Natalia du Toit was

## Book of the Month University of Pretoria

Tuesday, July 24, 2007

**Book of the Month August 2007**

In celebration of women's day 9 August 2007 [Special Collections](#) book of the month:

[Life and soul portraits of women who move South Africa @2006/ Karina Turok](#)

This exquisite book presents 75 portraits by award-winning photographer Karina Turok, of inspirational South African women from diverse backgrounds - writers, musicians, artists, actresses, spiritual leaders, activists, journalists, politicians, sportswomen, businesswomen and academics. Accompanying each portrait is a distilled narrative from the personal and revealing conversations Karina Turok had with the women in which they relate their stories, experiences and insight.

**Blog Archive**

- 2007 (3)
  - July (1)
    - [Book of the Month August 2007](#)
  - June (1)
    - [Book of the month July 2007](#)
  - May (1)
    - [Book of the Month June 2007](#)

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Katrien Malan

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Barrie	Henriette	tel: +27 12 420 4797 E-mail: henriette.barrie@up.ac.za Main Campus, Level 6		
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Bezuidenhout	Annamarie	tel: +27 12 420 4792 E-mail: annamarie.bezuidenhout@up.ac.za Main Campus, Level 5		
Boeyens	Chrissie	tel: +27 12 420 3640 E-mail: chrissie.boeyens@up.ac.za Main Campus, Level 5		

## Library/Web 2.0 Tools

Academic Information Service (Library) - University of Pretoria - Microsoft Internet Explorer

Address: http://www.ais.up.ac.za/index.htm

**News for Researchers**

- Do you want to **increase the visibility, usage, impact and citation rate** of your research? Then join **UPSpace**, the full text open access digital research repository of the University of Pretoria. Contact us for more information, or read [more about UPSpace](#).
- Top UPSpace item this month:** Curriculum reform in South Africa: a critical analysis of outcomes-based education (Jansen, Jonathan D.) (Accessed 1 083 times through UPSpace)

**Displays/ Exhibits**

- With the celebrations around **UPSpace**, the full text open access digital research repository of the University of Pretoria, her publications on display in Publications Collection).
- A small display in celebration of **Women's Day 2007** mounted by two Information Science students, **Daleen Leonard and Beauty Bhengu**, as part of their practical work, is on view in the foyer of Special Collections (30 July - 31 August 2007).
- Special Collections **Book of the Month for August 2007:** Life and Soul portraits of women who move South Africa @2006/ Karina Turok

Did you read this book? Please send us your comments.

Visit the **virtual exhibit of UP Publications**. Click here.

With the UP centenary coming up we strive to boast a complete collection of publications from the pen of **UP academics**. Please be reminded of your obligation to donate a copy of your book to the collection. Contact [katrien.malan@up.ac.za](mailto:katrien.malan@up.ac.za)

**New E-Resources (e-books, e-journals, e-databases)**

- Foreign Law Guide (from 3 August 2007)
- Uganda Online Law Library (from 1 August 2007)
- New Journal Titles

**Trials (e-books, e-journals, e-databases)**

- EBrary - 30 eBooks** on South African culture, history and travel (until 30 August 2007) - Feedback
- Taylor & Francis - Access 17,000 eBooks** (until 30 August 2007) - Feedback

**Web/Library 2.0 Tools**

- MySpace
- Create your own Blog
- Create your own Wiki
- Create mailing lists
- Share projects online

**Web/Library 2.0 Tools**

- Web 2.0 Tools
- How do I ...?
- Quick links to:
- My Library Space
- Ask a Librarian
- My Library Record
- View & Renew Material
- UPSpace
- Interlibrary Requests - Info desk/UP (Students Online)
- Lecturers Online
- UP Portal
- AIS Intranet (AIS Staff Only)

**Web/Library 2.0 Tools**

- Web 2.0 Tools
- How do I ...?
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- Lecturers Online
- UP Portal
- AIS Intranet (AIS Staff Only)

**Web/Library 2.0 Tools**

- Web 2.0 Tools
- How do I ...?
- Quick links to:
- My Library Space
- Ask a Librarian
- My Library Record
- View & Renew Material
- UPSpace
- Interlibrary Requests - Info desk/UP (Students Online)
- Lecturers Online
- UP Portal
- AIS Intranet (AIS Staff Only)

FirstSearch: Add/View Comments - Microsoft Internet Explorer

Address: http://firstsearch.odc.org/WebZ/FSPage?pagename=reviews;sessionid=fsapp8-52604-f1j66mkv-cz5l3x;entitypagenum=2:0

**FirstSearch** UNIV. OF PRETORIA. Academic Information Service

Add/View Comments

Home Databases Searching Results Staff View | My Account | Options | Comments | Exit | Hide tips

List of Records Detailed Record Marked Records Saved Records Go to page

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

Print Help

Prev 1 Next Mark:

Detailed Record

**Contribute/ Review**

Notes [Be the first to contribute](#)

Reviews [Write a review](#)

Table of Contents [Be the first to contribute](#)

English Español Français عربي 日本語 한국어

FirstSearch: WorldCat Detailed Record - Microsoft Internet Explorer

Address: http://firstsearch.odc.org/WebZ/FSPage?pagename=record;sessionid=fsapp8-52604-f1j66mkv-cz5l3x;entitypagenum=3:0

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

- Libraries worldwide that own item: 169
- Search the University of Pretoria library catalogue
- Cite This Item

External Resources

FIND RELATED

More Like This [Search for versions with same title and author](#) | [Advanced options ...](#)

Find Items About: [Ontologies](#) (30)

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

Update: 20070314

Accession No: OCLC: 45799460

Database: WorldCat

## Wiki: UPSpace Visitors' Book

The screenshot shows the 'UPSpace Electronic Visitors' Book' page. It includes a navigation menu on the left with options like 'Join this Space', 'Recent Changes', and 'Manage Space'. The main content area has a welcome message and instructions for visitors. A quote from Sian Tiley-Nel is visible: "I am sure that UP-Space will greatly benefit Mapungubwe". Another quote from Christopher Vernon is also present: "I could access everything, it's a fantastic site! Thank you so very much for alerting me to it!".

## Blog: Community Project

The screenshot shows a blog post titled 'CULTURAL LESSONS'. The post is dated Thursday, May 3, 2007, and is titled 'Welcome from South Africa!'. It features the South African flag and lists contributors: Ina, Paula, Devon, and Robin the Librarian. The text discusses the excitement of reading through all the posts and learning about the experiences of South African students.

## Blog: E-Books

The screenshot shows the 'E-BOOKS@TUKS Information Blog' page. It features a header with the title and a date of Thursday, November 02, 2006. The main content area includes a 'Google Book Search' link and a paragraph explaining that Google Book Search is a tool from Google that searches the full text of books. A quote from Wikipedia is included: "On November 17, 2005 Google officially changed the name Google Print to Google Book Search." There are also navigation links for 'Previous' and 'Next' posts.

## flickr: Community Project

The screenshot shows a Flickr photo gallery titled 'Parkway Northwest'. The main photo is a group of students and staff in a classroom. Below the main photo, there are several smaller photo thumbnails with captions: 'Precious Ndlovu', 'Nelly Malebe', 'Parkway Students' (1 photo), and 'Mamelodi Students' (24 photos). The interface includes search bars, navigation buttons, and a sidebar with additional photo information.

## Blog: Federated Search Engine

The screenshot shows a blog post titled 'FEDERATED SEARCH ENGINES AND LINK RESOLVERS'. The text discusses progress reports from the workgroup for federated searching at the Academic Information Service, University of Pretoria. It mentions that from the evaluation, they managed to list search engines according to preferences, but none were fully up to their standards at the time (November 2005). The post also mentions using Google Scholar as their federated search engine. A 'PREVIOUS POSTS' section is visible at the bottom, with a link to 'Solution for clients of the University of Pretoria'.

# International examples of Web / Library 2 tools

**Amazon**

Amazon.com: Blogging and RSS: A Librarian's Guide: Books: Michael P. Sauers

Search Books

**Blogging and RSS: A Librarian's Guide (Paperback)**  
by Michael P. Sauers (Author)

List Price: \$29.50  
Price: \$29.50 & this item ships for FREE with Super Saver Shipping

Quantity: 1  
Add to Shopping Cart

7 used & new available from \$25.00

Add to Wish List  
Add to Shopping List  
Add to Wedding Registry

**Google / LMS Mashup**

Google Web Images Video News Maps more

My Requests: Material on-hold @ AADL

My Library's Newest Items: New Books @ AADL

My Check-outs: Material checked-out @ AADL

Weather: Ann Arbor, MI 71°F

Top Stories: Ramsey family says arrest brings long-sought relief

AADL Top 10 Books: 1) The memory keeper's daughter

**Stockholm Library**

Välkommen till Biblioteket.se

Biblioteket.se

Sök

Visa bibliotek: Alla Tidens Klassiker!

ALMA 2007 till Banco del Libro

**Virtual world & library**

Welcome to Alliance Second Life Library Main!

What's Inside:  
Reference, Meeting Room, Computer Lab, Displays, Anime/Manga, Genealogy, more to come!

Second Life Library

**Tagging**

LibraryThing

Catalog your books online

Over thirteen million books on member catalogs

What is LibraryThing?

Go ahead and take the tour.

Enter what you're reading or your whole library—it's an easy, library-quality catalog. LibraryThing also connects you with people who read the same things.

What's good?

- Searches Amazon, the Library of Congress and 70 other world libraries.
- Get recommendations. Connect to people with similar libraries.
- Tag your books as on Del.icio.us and Flickr (eg., [www.Victorian\\_philosophy\\_of\\_science\\_vampires\\_theology\\_dogs](#)).
- Put your books on your blog.
- Export your data. Import from almost anywhere too.
- Enter 200 books for free, as many as you like for \$10 (year) or \$25 (life).

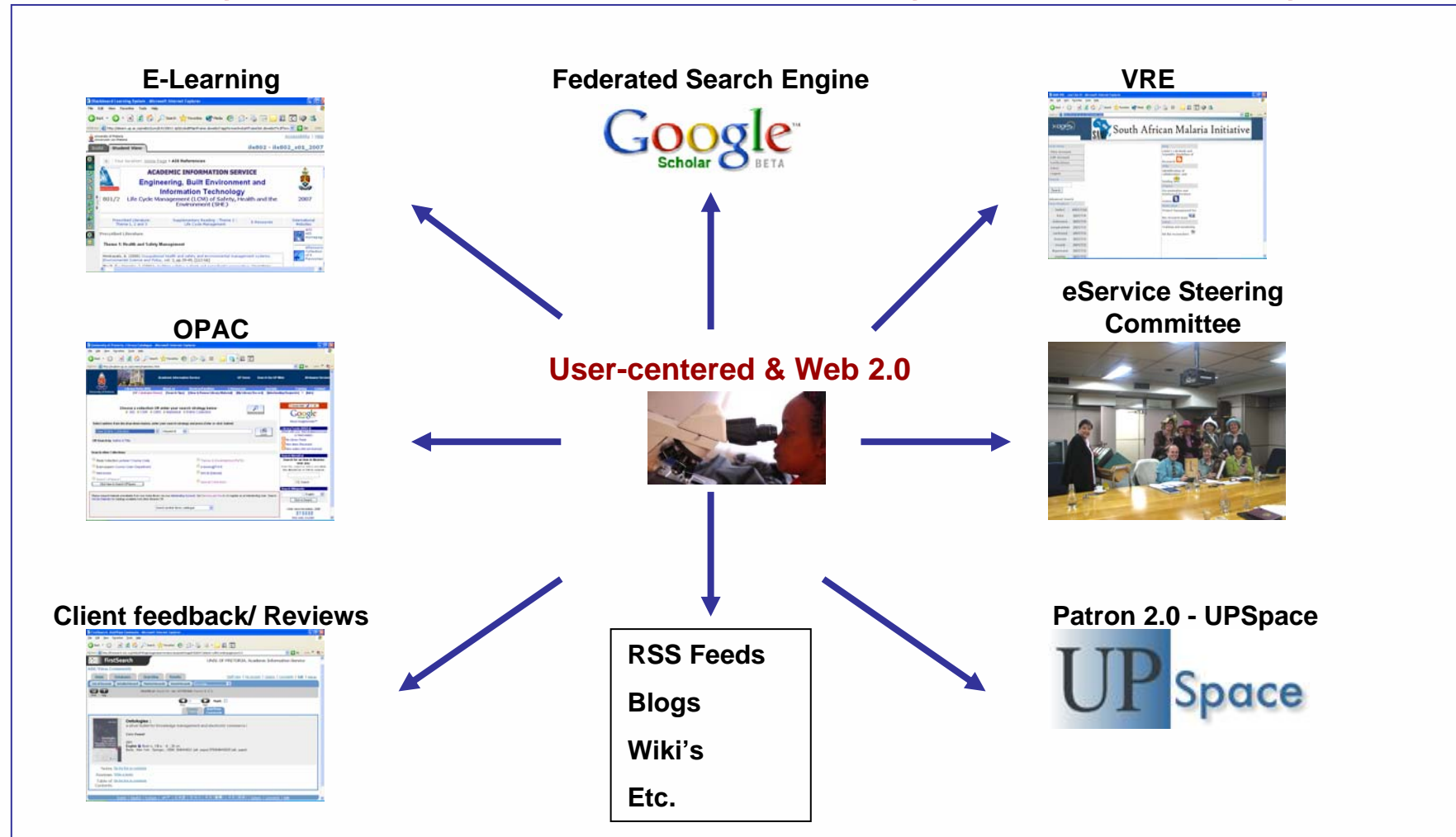
Create an account or Sign into your account (this is the only step)

user name

password


Submit

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





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<http://members.fotki.com/LadySmiles/>
- Wikipedia*. [http://en.wikipedia.org/wiki/Library\\_2.0](http://en.wikipedia.org/wiki/Library_2.0)
- 

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