

Power-searching the “3-click” world

*A federated search solution for clients
at the University of Pretoria*

Ina Smith and Sunette Steynberg

CSIR, 26 – 27 July 2006



Agenda

- **Client needs and e-strategy**
(Sunette Steynberg)
- **Evaluation of different Search Engines and Link Resolvers**
(Ina Smith)
- **GoogleScholar™ & Scholar SFX™**
(Ina Smith)

Who are our clients?

The Net Generation

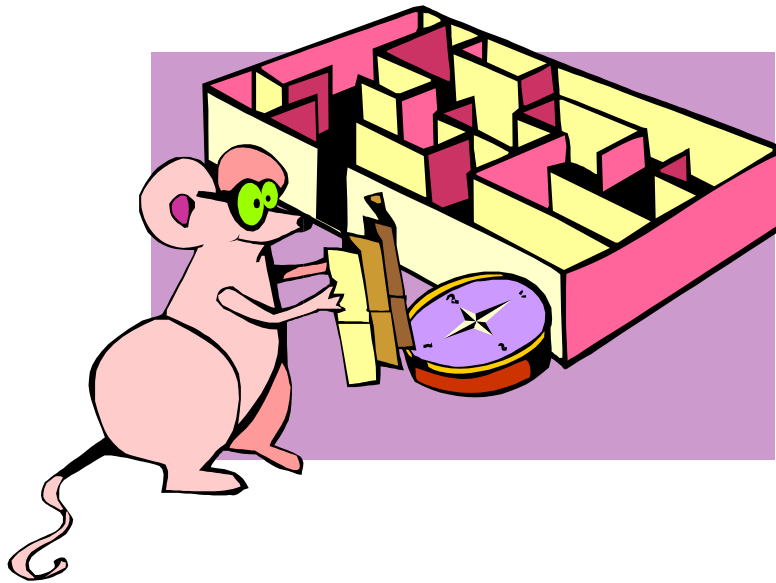
- Generation raised with computers
(Don Tapscott)
- Young people familiar and comfortable with computer and digital technologies

The Net Generation (2)

- Dependent on Google
- Library resources difficult to figure out
- Library resources outside their environment
- Libraries cannot substantiate digital information

The Net Generation (3)

- Prefer Google to library searches
- Want speedy answers and full gratification immediately



OCCLC report – 2005

- Understand interests, habits and behaviours using libraries
- Use search engines
- Satisfied with searches
- Self-serve
- Do not differentiate; trust both search engines and libraries

What are their needs?

**“Only librarians like to search;
everyone else likes to find.”**

- Roy Tennant -

Adapt or die ...

- Why adapt?
- Client-service business model
- Library services not satisfactory – loss of relevance
- Learn from clients what they want

Answer

- How students have grown up
- Blend technology, clients, academy
- Result
 - enriching education
 - lifelong learning

LIBQUAL

LIBQUAL is a suite of services that libraries use to solicit, track, understand and act upon users' opinions of service quality.

- Web based program
- Developed by ARL

The e-Strategy

- GAELIC report 2005
- 50% e-books by 2010
- 100% e-journals by 2010
- Good and fast access

A service that fulfil in all these requirements could be built, but would it necessarily be used for core functions?

Fulfil needs of clients

- Single search engine
- Easy to use
- Search databases, e-journals and catalogue simultaneously

Distinguishing between Search Engines

Robot-driven for WWW pages



Federated Meta Search for e-Resources

+ Link Resolver

Desktop Search



Yahoo! Desktop Search

Federated Search Engine

- Global search OR Meta Search OR Broadcast Search
- Same-time searches of different e-resources
- Single searchable point
- Blends:
 - E-journals, library catalogue, subscription databases, e-print collections, digital repositories, web pages
- Examples: MAPMetafind (Innovative), MetaLib (Ex Libris), SIRSI

Link Resolver

- Connects references with full text
- Essential for optimal usage of Federated Search Engine & e-resources
- Examples: WebBridge (Innovative), SFX (ExLibris)

Advantages

- Single one-stop searching point
- Save time
- Less training needed
- Immediate access to full text via link resolver
- Utilise very expensive databases
- Partially address client needs identified

Evaluation of Federated Search Engines & Link Resolvers

- Importance of an evaluation
- Managing the evaluation process
- Commercial Products
- Criteria
- Evaluation Instrument
- Evaluation Process
- Outcomes

Importance of an Evaluation

(UCE Birmingham Evidence Base 2006)

- Ensure that objectives are met
- Identifying problems & weakness
- Evidence of benefits & impacts
- Securing funding
- Gain support of institutional managers
- Guide future plans
- Develop guidelines useful for other libraries
- Devising strategies to develop projects into services
- Position library

Managing the Evaluation Process

The screenshot shows a Microsoft Internet Explorer browser window. The title bar reads "Federated Search Engines and Link Resolvers - Microsoft Internet Explorer". The address bar contains the URL "http://fedsearch.blogspot.com/". The page content includes a Blogger header with search and navigation buttons. The main content area features a large title "FEDERATED SEARCH ENGINES AND LINK RESOLVERS" and a subtitle "PROGRESS REPORTS OF MEMBERS OF THE WORKGROUP FOR FEDERATED SEARCHING AT THE ACADEMIC INFORMATION SERVICE, UNIVERSITY OF PRETORIA". The date "TUESDAY, NOVEMBER 29, 2005" is displayed. The main text discusses Google Scholar & ScholarSFX, mentioning Ex Libris and OpenURL links. A "LINKS" section lists "Contact Us", "University of Pretoria", "Academic Information Service", and "Resources on Metasearching". A "PREVIOUS POSTS" section is partially visible at the bottom.

Federated Search Engines and Link Resolvers - Microsoft Internet Explorer

File Edit View Favorites Tools Help

<http://fedsearch.blogspot.com>

Address <http://fedsearch.blogspot.com/> Go Links

Y! Search Web Mail My Yahoo! Answers

Blogger™ SEARCH THIS BLOG SEARCH ALL BLOGS BlogThis! GET YOUR OWN BLOG FLAG? NEXT BLOG>>

FEDERATED SEARCH ENGINES AND LINK RESOLVERS

PROGRESS REPORTS OF MEMBERS OF THE WORKGROUP FOR FEDERATED SEARCHING AT THE ACADEMIC INFORMATION SERVICE, UNIVERSITY OF PRETORIA

TUESDAY, NOVEMBER 29, 2005

GoogleScholar & ScholarSFX

Ex Libris has worked with Google and a number of SFX customers to ensure that Google Scholar search results display OpenURL links to SFX; and thereby to the scholarly peer-reviewed papers, theses, books, preprints and technical reports from your library collection. [More info ...](#)

POSTED BY ACADEMIC INFORMATION SERVICE AT 12:48 AM

LINKS

- [Contact Us](#)
- [University of Pretoria](#)
- [Academic Information Service](#)
- [Resources on Metasearching](#)

PREVIOUS POSTS

Done Internet

Commercial Products

- ENCompass & LinkFinder Plus (Endeavor)
- SearchSolver & LinkSolver (Ovid)
- MetaLib & SFX (ExLibris)
- Knowledge Prism & Serial Solutions (WebFeat)
- MultiSearch & Linking Profile (CSA)
- SIRSI
- MAP Metafind & WebBridge (Innovative)

Evaluation Criteria

- Search functionality
 - *E.g. Broadcast searching, Boolean searching*
- Search results
 - *E.g. Limit results, Download results to bibliographic software*
- Interface features
 - *E.g. Help options, Customisable interface*
- User access
 - *E.g. Single sign-on, Secure login*
- Vendor support
 - *E.g. 24/7, Update frequency of knowledgebase*

Evaluation Instrument

- Expert Review Checklist
- Rating Scale
 - 4 = Excellent
 - 3 = Acceptable
 - 2 = Partially
 - 1 = Poor
 - 0 = Not available/ Cannot evaluate
- Very important criteria *
- Comments

UNIVERSITY OF PRETORIA
ACADEMIC INFORMATION SERVICE

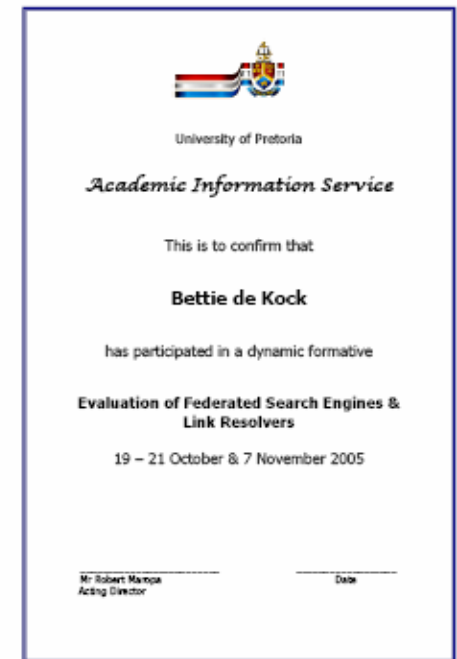
AN EVALUATION OF THE USABILITY OF FEDERATED SEARCH ENGINES
AND ACCOMPANYING LINK RESOLVERS

Name of Evaluator				
Date				
Time				
Version				
Vendor				
Federated Search Engine				
Link Resolver				
<p><u>Accessibility Checklist</u> Rating scale for hands-on evaluation of products (mark with x or o where appropriate):</p> <p>4 = Excellent 3 = Acceptable 2 = Partially 1 = Poor 0 = Not available/ Cannot evaluate</p> <p>Please note: All criteria are important, but criteria with * has been identified as being very important for the Academic Information Service.</p>				
General criteria		Sub-criteria		
1*	Web & advanced searching accessible and obvious to use	4	3	2
2*	Structured searching of a structured retrieval of databases simultaneously (article & book)	4	3	2
3	Structured searching of multiple and internal search engines (article & book, meta-data, abstract)	4	3	2
4*	Structured searching of databases that fulfill in decisions by keyword	4	3	2
5*	Structured searching of databases that fulfill in decisions by advanced search	4	3	2
6*	Structured searching of all databases by field (e.g. author, title etc.)	4	3	2
7	Field searching of individual databases	4	3	2
8	Keyword searching of databases and forward to individual databases	4	3	2
9	Advanced search of databases and forward to individual databases	4	3	2
10*	Structured searching of web sites, search engines, intranets and other services online	4	3	2
11*	Faceted search to specific kinds of resources, e.g. databases vs. journals	4	3	2
12	A list of databases and resources with descriptions can be <u>updated</u>	4	3	2
13*	The software is capable of expanding a particularly long search at a pre-determined point and providing the user with options to narrow or broaden the search, generate a portion of the results, or continue the search	4	3	2
14*	Database search results can be <u>sorted</u>	4	3	2
15*	Wildcard and truncation can be used	4	3	2
16	Database search can be <u>saved</u>	4	3	2
17	Database search can be <u>deleted</u>	4	3	2
18	Database search can be <u>shared</u>	4	3	2
19	Database search can be <u>exported</u>	4	3	2

© 2001 ProQuest/Inspec Information Services

Evaluation Process

- Participants from UP, UNISA, CSIR, WITS
- 19 – 21 October; 7 November 2005
- 7 sessions in total; 28 hours
- Each session:
 - Introduction & Live Internet Demo by Vendor
 - Q&A via telephone conferencing
 - Hands-on Session
- Acknowledgement
- Processing of data
- Feedback via e-mail & blog



Evaluation Outcomes

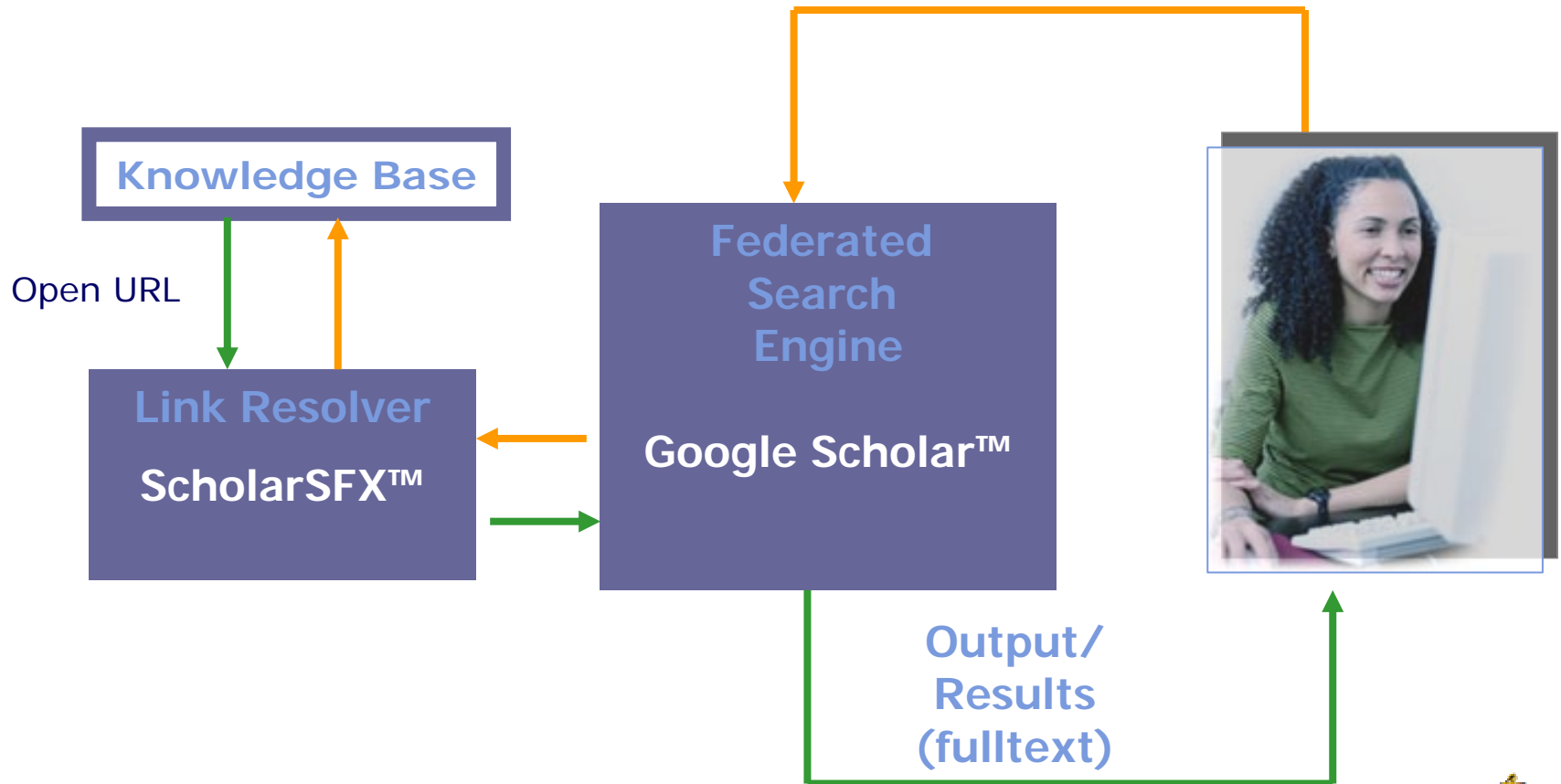
- Data from evaluation in MSExcel
- None are fully up to our standards yet
- Limitation of evaluation – Information Specialists
- No product purchased up to date
- Interim solution

Interim Solution



**Federated Search
Solution**

Google Scholar™ & ScholarSFX™



eIFL Agreement

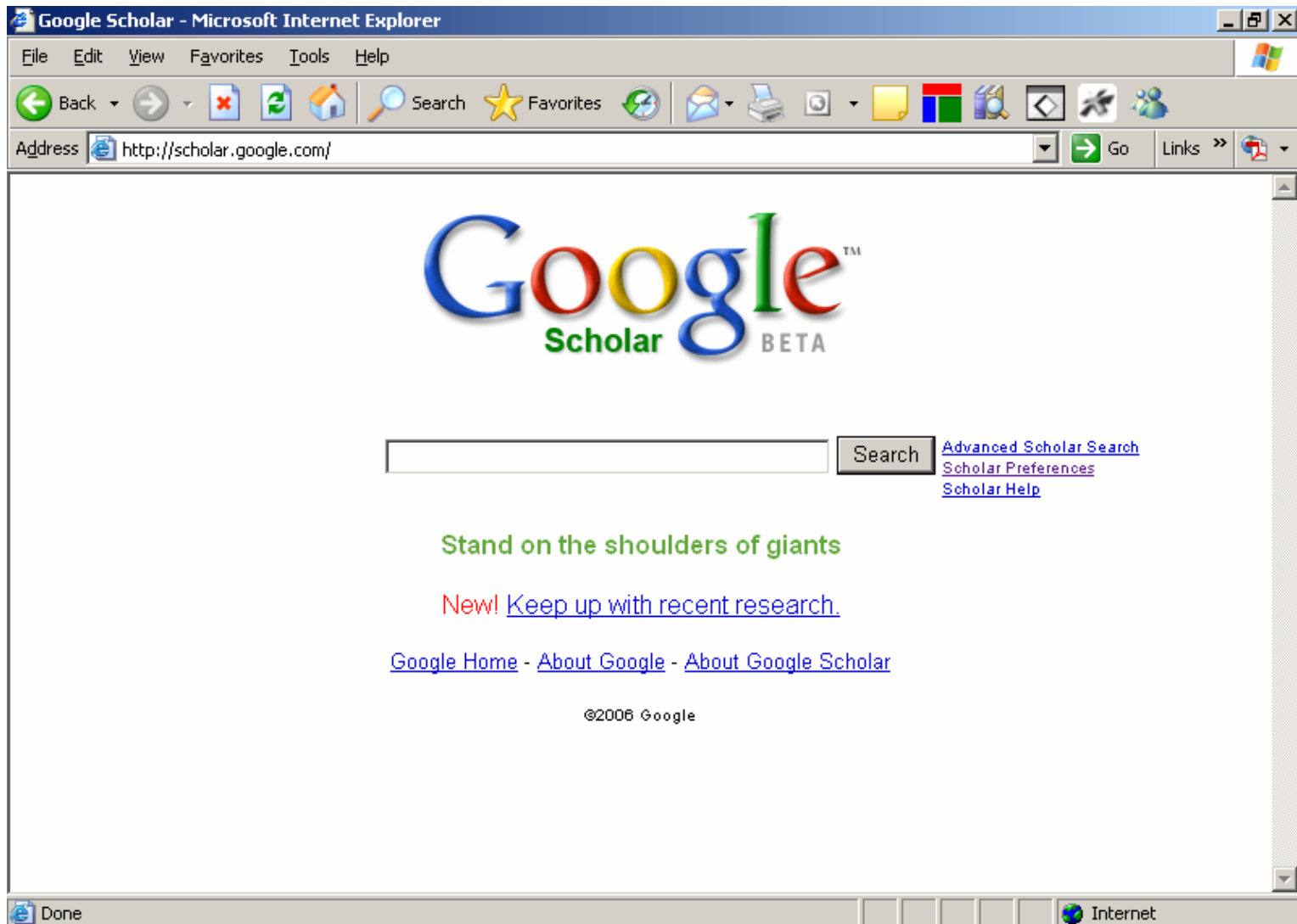
- GoogleScholar™ as a Federated Search Engine
- ScholarSFX™ as a **free** link resolver
- Also available for member institutions who purchased:
 - SFX (ExLibris)
 - Article Linker (Serials Solutions)
 - TOURresolver (TDNet)
 - LinkSource (EBSCO)
 - WebBridge (Innovative)
 - Sirsi Resolver (Sirsi)
 - 1Cate (Open Informatics)
 - Own link resolvers

About Google Scholar™

“Google Scholar provides a **simple way to broadly search for scholarly literature**. From one place, you can search **across many disciplines and sources**:

- Peer-reviewed papers,
- Theses;
- Books;
- Abstracts and articles, from academic publishers, professional societies, preprint repositories, universities and other scholarly organizations.”

Basic Search



Search Subject Areas

Google Advanced Scholar Search - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

Address http://scholar.google.com/advanced_scholar_search?hl=en&lr= Go Links

without the words
where my words occur

Author Return articles written by
e.g., "PJ Hayes" or McCarthy

Publication Return articles published in
e.g., J Biol Chem or Nature

Date Return articles published between —
e.g., 1996

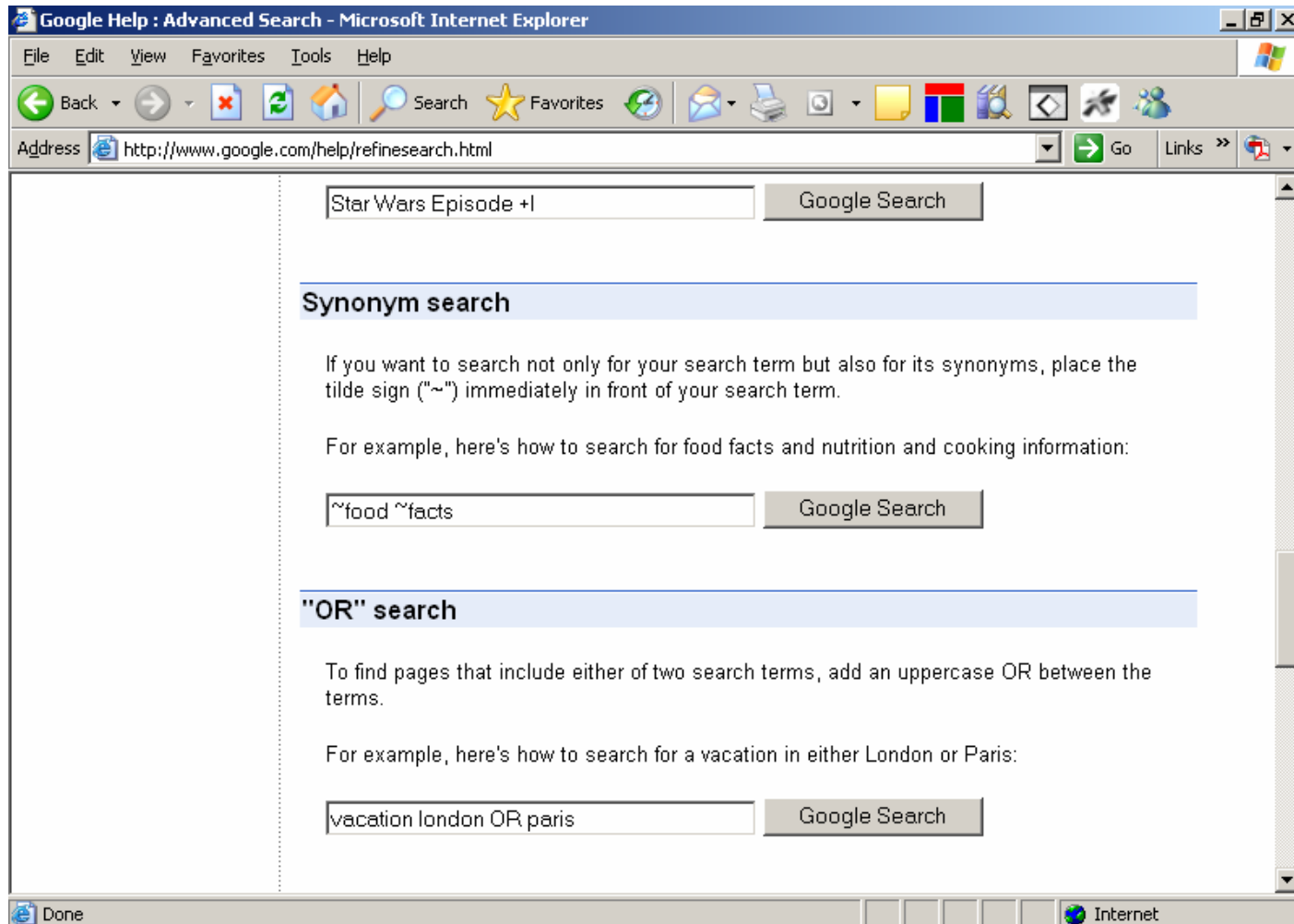
Subject Areas

- Return articles in all subject areas.
- Return only articles in the following subject areas:
 - Biology, Life Sciences, and Environmental Science
 - Business, Administration, Finance, and Economics
 - Chemistry and Materials Science
 - Engineering, Computer Science, and Mathematics
 - Medicine, Pharmacology, and Veterinary Science
 - Physics, Astronomy, and Planetary Science
 - Social Sciences, Arts, and Humanities

Done Internet

Boolean Searches

<http://www.google.com/help/refinerearch.html>



The screenshot shows a Microsoft Internet Explorer browser window titled "Google Help : Advanced Search - Microsoft Internet Explorer". The address bar contains the URL "http://www.google.com/help/refinerearch.html". The main content area displays three examples of Boolean searches:

- Star Wars Episode +I** (with a "Google Search" button)
- Synonym search**
If you want to search not only for your search term but also for its synonyms, place the tilde sign ("~") immediately in front of your search term.
For example, here's how to search for food facts and nutrition and cooking information:
~food ~facts (with a "Google Search" button)
- "OR" search**
To find pages that include either of two search terms, add an uppercase OR between the terms.
For example, here's how to search for a vacation in either London or Paris:
vacation london OR paris (with a "Google Search" button)

The browser's status bar at the bottom shows "Done" and "Internet".

Google Cheat Sheet

<http://www.google.com/help/cheatsheet.html>

The screenshot shows a Microsoft Internet Explorer browser window displaying the Google Help Cheat Sheet. The browser's address bar shows the URL <http://www.google.com/help/cheatsheet.html>. The page content is organized into sections:

- OPERATOR EXAMPLE**: A list of search operators and their corresponding examples.
- FINDS PAGES CONTAINING...**: A list of search operators and their corresponding meanings.
- CALCULATOR OPERATORS**: A table listing mathematical operators, their meanings, and examples of how to use them in a search box.

OPERATOR EXAMPLE	FINDS PAGES CONTAINING...
vacation hawaii	the words vacation and Hawaii .
<i>Maui OR Hawaii</i>	either the word Maui or the word Hawaii
<i>"To each his own"</i>	the exact phrase to each his own
<i>virus -computer</i>	the word virus but NOT the word computer
<i>Star Wars Episode +I</i>	This movie title, including the roman numeral I
<i>~auto loan</i>	loan info for both the word auto and its synonyms: truck , car , etc.
<i>define:computer</i>	definitions of the word computer from around the Web.
<i>red * blue</i>	the words red and blue separated by one or more words.
I'm Feeling Lucky	Takes you directly to first web page returned for your query.

CALCULATOR OPERATORS	MEANING	TYPE INTO SEARCH BOX
+	addition	45 + 39
-	subtraction	45 - 39
*	multiplication	45 * 39
/	division	45 / 39
% of	percentage of	45% of 39

About ScholarSFX™

- Free Service
- For existing SFX Customers and non-customers
- Open URL Link Resolver
- Enables users to link from Google Scholar™ to full text articles that are available through local institutional subscriptions & to library catalogue

ScholarSFX™ links client to ...

Definition of a SFX “target”:

“... an **information resource** or **service** which a ... user can view when following a link from Google Scholar™ or an SFX menu”.

- **Free Full Text**, e.g. DOAJ, Free E-Journals
- **Aggregators**, e.g. Ovid, ScienceDirect
- **OPAC** (OCLC WorldCat)
- **Subscription e-Journals**
- **E-books**, e.g. Gutenberg-e, Books 24X7
- **Databases**, e. g. Silverplatter

almost

Access full text within 3 clicks!



Accessible via Web Access Management
Table (Innovative Product) @

[http://0-
scholar.google.com.innopac.up.ac.za](http://0-scholar.google.com.innopac.up.ac.za)

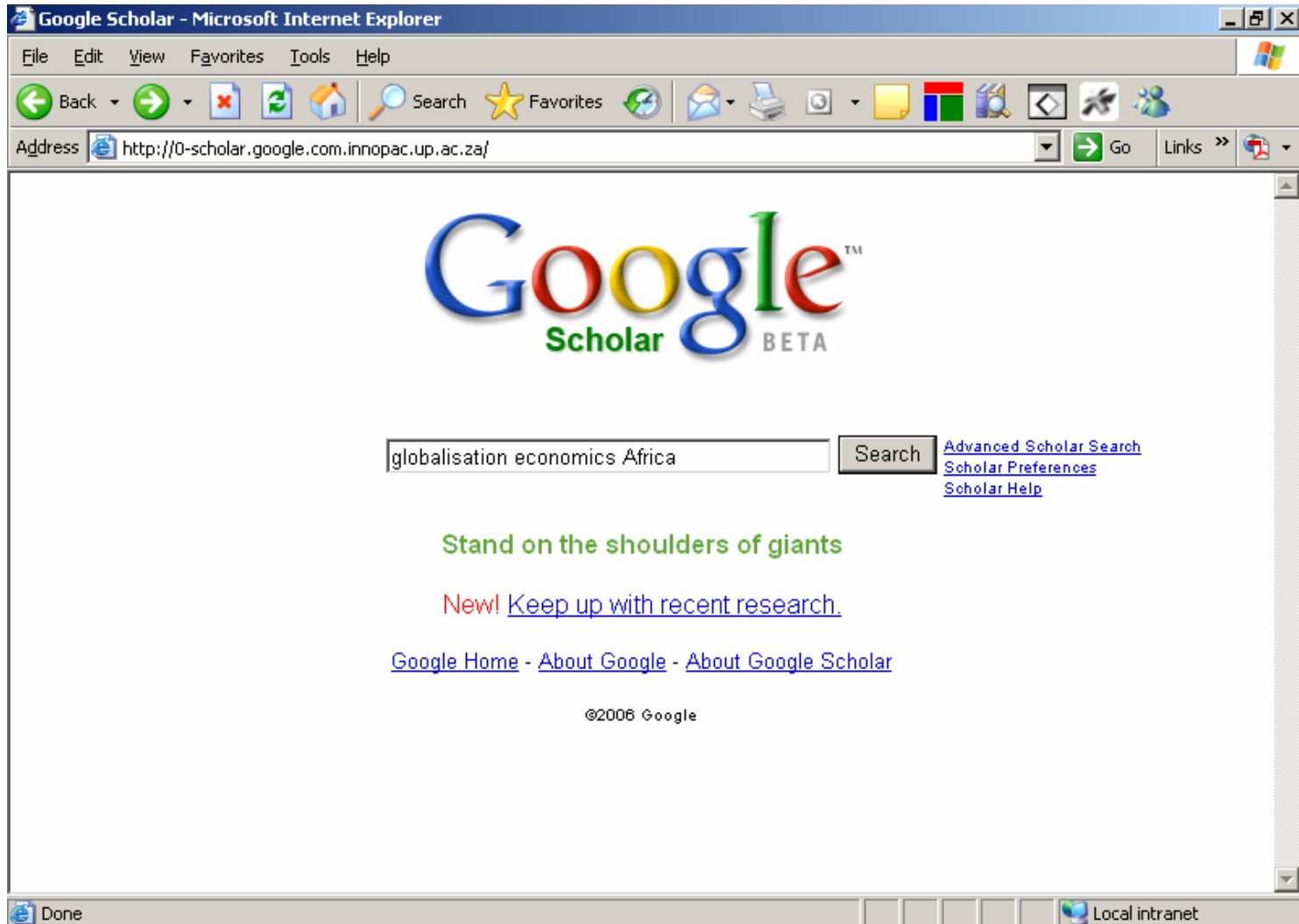
Links client to Google Scholar™ URL via WAM Table

<http://0-scholar.google.com.innopac.up.ac.za>

The screenshot shows the Academic Information Service (AIS) website for the University of Pretoria. The browser's address bar displays <http://www.ais.up.ac.za/aisweb/>. The website header includes the University of Pretoria logo and navigation links: Home, About Us, Services/Facilities, E-Resources, Journals, and Contact. A sidebar on the right contains a 'Links' menu with items such as 'weergawe', 'g Contact', '→ Services', '→ AIS Divisi', '→ Research (eTD, UPSpace)', '→ Copyright &', '→ Referencing', '→ Ask a Librarian', and '→ AIS Intranet (AIS Staff Only)'. The main content area features a 'Home' section with a 'News ...' list: '→ Library web page now also available in Afrikaans!', '→ GoogleScholar launched at the AIS!', '→ UPSpace goes live!', '→ Porcelain doll exhibit in the main library (Hatfield Campus)', '→ World Book & Copyright', '→ Library hours notificat', and '→ Special Collections "B'. A callout box on the right points to a 'Google Scholar BETA' logo with the text 'About GoogleScholar™'. Below this, a search bar is visible with the text 'How do I...?' and 'Access to:'. A second callout box at the bottom points to the 'World Book and Copyright' link in the news list.

More info about the implementation of Google Scholar™ & ScholarSFX™ Instructions for use

Access: *Search terms*



Access: *References*

The screenshot shows a Microsoft Internet Explorer browser window with the title "globalisation economics Africa - Google Scholar - Microsoft Internet Explorer". The address bar contains the URL: <http://0-scholar.google.com.innopac.up.ac.za/scholar?q=globalisation+economics+Africa&ie=UTF-8&oe=UTF-8&hl=>. The search bar contains the text "globalisation economics Africa" and a "Search" button. To the right of the search bar are links for "Advanced Scholar Search", "Scholar Preferences", and "Scholar Help".

The search results are displayed under the heading "Scholar" and show "Results 1 - 10 of about 28,400 for globalisation economics Africa. (0.15 seconds)".

The first result is titled "Globalisation, Economic Policy and Convergence - SFX@University of Pretori - All articles Recent articles group of 2 »". The author is "P Mosley - The World Economy, 2000 - blackwell-synergy.com". The abstract snippet reads: "... GLOBALISATION, ECONOMIC POLICY AND CONVERGENCE 617 ... of high policy complementarity to produce high growth was highest in East Asia, lowest in **Africa** and Eastern ...". It is cited by 22 and includes links for "Web Search", "Library Search", and "BL Direct".

The second result is titled "Globalisation, Social Conflict and Economic Growth - SFX@University of Pretori - group of 2 »". The author is "D Rodrik - The World Economy, 1998 - blackwell-synergy.com". The abstract snippet reads: "... Page 11. FIGURE 5 Sub-Saharan **Africa** FIGURE 6 Using an Alternative Measure of Social Conflict GLOBALISATION, SOCIAL CONFLICT AND ECONOMIC GROWTH 153 ...". It is cited by 84 and includes links for "Web Search", "Library Search", and "BL Direct".

The third result is titled "Globalisation and the skill bias of occupational employment in South Africa". The author is "L Edwards - South African Journal of Economics, 2001 - blackwell-synergy.com". The abstract snippet reads: "... South **Africa** may find itself being squeezed from both ends of the ... felt with Cosatu arguing that the social and **economic** costs of **globalisation** are being ...". It is cited by 48 and includes links for "Web Search", "SFX@University of Pretori", and "BL Direct".

The browser's taskbar at the bottom shows the "Local intranet" icon.

Look out for one of the following:

- **Library Search** – to holdings in catalogue
- **SFX@University of Pretoria** – to full text journal articles

Access: *Link to catalogue*

globalisation economics Africa - Google Scholar - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Stop

Address <http://0-scholar.google.com.innopac.up.ac.za/scholar?q=globalisation+economics+Africa&ie=UTF-8&oe=UTF-8&hl=...> Go Links

... South **Africa** may find itself being squeezed from both ends of the ... felt with Cosatu arguing that the social and **economic** costs of **globalisation** are being ...
[Cited by 48](#) - [Web Search](#) - [SFX@University of Pretori](#) - [BL Direct](#)

[Double exposure: Assessing the impacts of climate change within the context of economic ...](#) - [group of 5 »](#)
KL O'Brien, RM Leichenko - *Global Environmental Change, Part A: Human and Policy ...*, 2000 - [geogra.uah.es](#)
... perspective. **Africa** is often cited as a region that is vulnerable to both climate change and the consequences of **economic globalization**. In ...
[Cited by 50](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[\[book\] African Renaissance: Roadmaps to the Challenge of Globalization](#)
F Cheru - 2002 - [cgdev.org](#)
... **African Renaissance: Roadmaps to the Challenge of Globalization** ... also serves as Lecturer in **African Studies** at ... Avenue NW (Institute for International **Economics**) ...
[Cited by 20](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

[\[book\] Globalization and Progressive Economic Policy](#)
D Baker, G Epstein, R Pollin - 1998 - [books.google.com](#)
... **Globalization** and ... Dean Baker **Economic Policy Institute** ... de Alarcón 1 3, 28014 Madrid, Spain Dock House, The Waterfront, Cape Town 8001, South **Africa** [http://www ...](#)
[Cited by 66](#) - [Web Search](#) - [Library Search](#)

[\[book\] The Globalization Syndrome: Transformation and Resistance](#)
JH Mittelman - 2000 - [books.google.com](#)
... previously (formerly known as Southern **African Development Coordination** ... High Commissioner for Refugees WEF World **Economic Forum** WTO ... **THE GLOBALIZATION SYNDROME** ...
[Cited by 169](#) - [Web Search](#) - [Library Search](#)

Library Search

Local intranet

Access: *Link to catalogue*

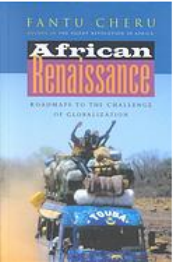
Find in a Library: African renaissance : roadmaps to the challenge of globalization - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

Address <http://0-www.worldcatlibraries.org.innopac.up.ac.za/wcpa/ow/9e109cc75755b284a19afeb4da09e526.html> Go Links

Sign In



African renaissance : roadmaps to the challenge of globalization by Fantu Cheru [Bookmark](#) | [Permalink](#)

Type: English : Book

Publisher: London ; New York : Zed Books ; Cape Town : David Phillip ; New York : Distributed in the USA by Palgrave, 2002.

ISBN: 1842770861 184277087X 0864865929 OCLC: 47443796

Subjects: [Globalization](#), | [Internationalisation](#), | [Democratising](#), | [More...](#)

Libraries Details Subjects Reviews

Enter Location Information: Go

Enter postal code, state, province or country

Narrow Your Results by Format: Choose Library Proximity:

Displaying Libraries 1-10 out of 18 for Country << First < Prev 1 2 Next > Last >>

Find in a Library: African renaissance : roadmaps to the challenge of globalization - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

Address <http://0-www.worldcatlibraries.org.innopac.up.ac.za/wcpa/ow/9e109cc75755b284a19afeb4da09e526.html> Go Links

4. [North West University, Potchefstroom Campus](#) NW PROVINCE, SOUTH AFRICA

Book Services: [Ask a librarian](#)

5. [Rhodes University Library](#) Grahamstown, South Africa

Book

6. [Technobib, Pietersburg](#) Pietersburg, South Africa

Book

7. [Tshwane University of Tech. Pretoria Campus](#) Pretoria, South Africa

Book

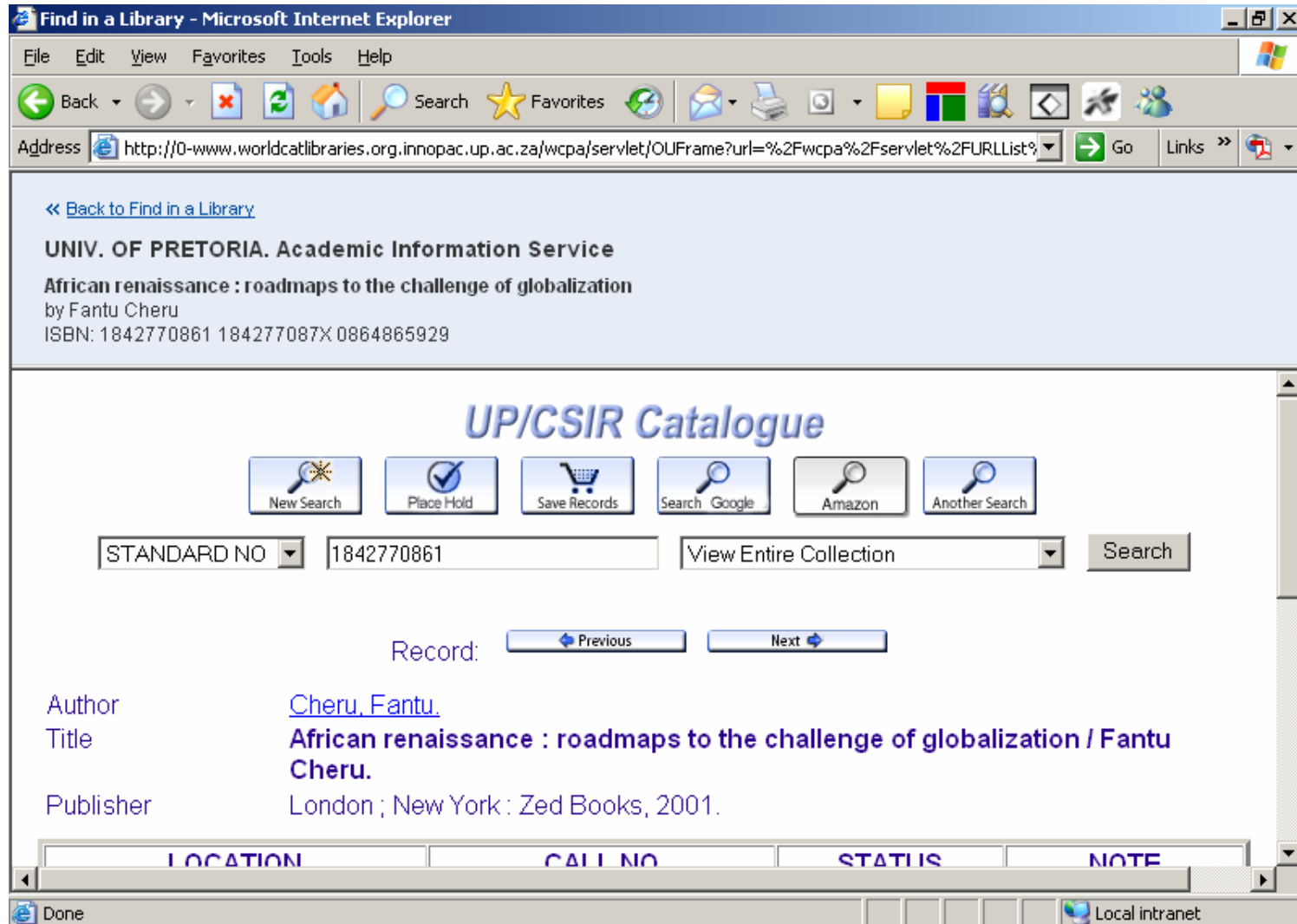
8. [UNIV. OF PRETORIA. Academic Information Service](#) Pretoria Gauteng, South Africa

Book Services: [Ask a librarian](#)

9. [Unisa, Florida Campus](#) Florida, South Africa

Book Services: [Ask a librarian](#)

Access: *Catalogue info*



Find in a Library - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://0-www.worldcatlibraries.org.innopac.up.ac.za/wcpa/servlet/OUFrame?url=%2Fwcpa%2Fservlet%2FURLList%2F...>

[Back to Find in a Library](#)

UNIV. OF PRETORIA. Academic Information Service

African renaissance : roadmaps to the challenge of globalization
by Fantu Cheru
ISBN: 1842770861 184277087X 0864865929

UP/CSIR Catalogue

New Search Place Hold Save Records Search Google Amazon Another Search

STANDARD NO 1842770861 View Entire Collection Search

Record: Previous Next

Author [Cheru, Fantu.](#)

Title **African renaissance : roadmaps to the challenge of globalization / Fantu Cheru.**

Publisher London ; New York : Zed Books, 2001.

LOCATION	CALL NO	STATUS	NOTE
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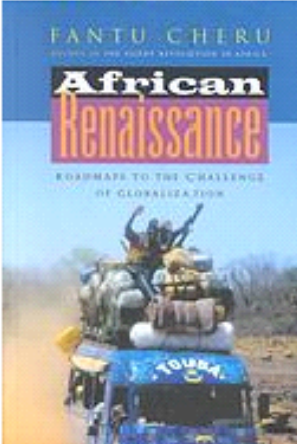
Done Local intranet

Find in a Library with WorldCat

Search: Find in a Library WWW Go
powered by Google

[My Account](#) [Help](#)

[Sign In](#)



[African renaissance : roadmaps to the challenge of globalization](#) by [Fantu Cheru](#)

[Bookmark](#) | [Permalink](#)

Type: English : Book
Publisher: London ; New York : Zed Books ; Cape Town : David Philip ; New York : Distributed in the USA by Palgrave, 2002.
ISBN: 1842770861 184277087X 0864865929 **OCLC:** 47443796

Subjects: [Globalization.](#) | [Internationalisatie.](#) | [Democratisering.](#) | [More ...](#)

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Academic Information Service
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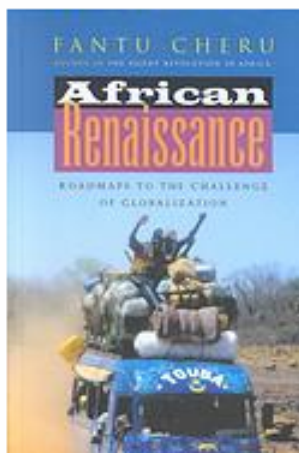
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- Details
- Subjects
- Reviews

Enter Location Information:

Enter postal code, state, province or country.

Client has already been authenticated



African renaissance : roadmaps to the challenge of globalization by Fantu Cheru

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ISBN: 1842770861 184277087X 0864865929 **OCLC:** 47443796

Subjects: [Globalization.](#) | [Internationalisatie.](#) | [Democratisering.](#) | [More ...](#)

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Services:

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Find in a Library anytime
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Subjects

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Enter Location Information: sa Go

Enter postal code, state, province or country.

Access: *Link to article*

globalisation economics Africa - Google Scholar - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Home Mail Print Search Go Links

Address <http://0-scholar.google.com.innopac.up.ac.za/scholar?q=globalisation+economics+Africa&ie=UTF-8&oe=UTF-8&hl=> Go Links

Google Scholar BETA

globalisation ec SFX@University of Pretori

Scholar Results 1 - 10 of about 28,400 for **globalisation economics Africa**. (0.15 seconds)

[Globalisation, Economic Policy and Convergence - SFX@University of Pretori](#) - All articles [Recent articles](#)
[group of 2 »](#)

P Mosley - *The World Economy*, 2000 - blackwell-synergy.com
... **GLOBALISATION, ECONOMIC POLICY AND CONVERGENCE** 617 ... of high policy complementarity to produce high growth was highest in East Asia, lowest in **Africa** and Eastern ...
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[Globalisation, Social Conflict and Economic Growth - SFX@University of Pretori](#) - [group of 2 »](#)

D Rodrik - *The World Economy*, 1998 - blackwell-synergy.com
... Page 11. FIGURE 5 Sub-Saharan **Africa** FIGURE 6 Using an Alternative Measure of Social Conflict **GLOBALISATION, SOCIAL CONFLICT AND ECONOMIC GROWTH** 153 ...
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Globalisation, Economic Policy and Convergence

Paul Mosley

1. INTRODUCTION: THE 'OPEN ECONOMIES CONVERGE' CONSENSUS

A NUMBER of recent contributions to the growth literature have emphasised the positive role played by the forces of globalisation in enabling poor countries to converge on the living standards of rich ones. These include Sachs and Warner (1995) Aziz and Wescott (1997) IMF (1997) World Bank (1997)

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- Guide Google-users back to valuable high quality library resources
- Increase library presence
- Effective Internet search strategies
- Evaluate quality of resources
- Skills of information specialists
- Evaluation of Google Scholar™/ScholarSFX™

Getting up and running



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- More targets
- Sabinet & SAePublications
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But *refusing* to offer that option will *deny* them an **alternative** that may suit their **needs** better than database-by-database searching.”

- James Rettig, Univ of Richmond -

Conclusion

Google is probably here to stay. Our students love it! So we decided: If you can't beat them, join them with **Google Scholar** and **Scholar SFX** combined!

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Thank you!

Questions?

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