Towards Open Access to Research information: Where does Sri Lanka Stand?

Workshop on Open Access to Research information
29-30 April, 2013, Colombo

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National Science Foundation
In this presentation ....

- Research infrastructure and research output / level of visibility
- Transition for better visibility
- Transition for Open Access
- Potential for open access – survey results
- Conclusions
Research Infrastructure and output

**Infrastructure**
- 15 Universities
- 32 Research/ R & D institutes
- Other S & T Institutions
- Professional Associations

**Average Annual output**
- 250-325 papers – international Journals
- 1000-1200 – local publications

**Output Formats**
- Journal articles – locally published
- Journal articles – international
- Theses and Dissertations
- Unpublished Reports
- Conference and Workshop papers - Local
- Conference and Workshop papers - International
- Working papers
- Patents
- Books / chapters / sections
- Datasets

**Visibility ???**
<table>
<thead>
<tr>
<th>Type of Research Information</th>
<th>Finding Tools - Visibility – metadata</th>
<th>Full text Access</th>
</tr>
</thead>
</table>
| Journal articles – locally published   | Sri Lanka Science Index (SLSI)  
Sri Lanka journals Online (SLJOL)  
National Repository of S & T Literature                  | SLSI (68%)            |
| Journal articles - Internationally published | Web of Science; SCOPUS; Google Scholar  
Sri Lanka Science Index; Article Index National Library                              | Few - Off line        |
| Theses and Dissertations               | Institutional Repositories of UC/ UM/ UP/ OUSL/ PGIM/ NSF/ Library Catalogues Research institutions/ National Library Index Google Scholar | Nil                   |
| Unpublished Reports                    | Sri Lanka Science Index  
Library Catalogues of universities/Res. Institutes  
NSF - Research Grants Database/NRC, CARP ??  
Google Scholar                          | Off line              |
| Conference and Workshop papers- Local | Library Catalogues of universities/Res. Institutes  
Sri Lanka Science Index                  | Few/IR of University   |
| Conference and Workshop papers- International | Web of Science; SCOPUS; Google Scholar  
NSF - Travel Grants Database  
Sri Lanka Science Index                   | -                     |
| Working papers                         | Sri Lanka Science Index  
Library Catalogues of universities/Res. Institutes                               | -                     |
| Books/ chapters / sections             | Sri Lanka Science Index  
Library Catalogues of universities/Res. Institutes                               | -                     |
Transition to new systems for higher visibility and sharing

Sri Lanka Science Index
http://thakshana.nsf.ac.lk/wwisis/slsi/form.htm

Sri Lanka Journals Online
National Repository

(SLJOL)
Visibility – Google search
Visibility – Google search

A check list of the pteridophytes of Sri Lanka

Biodiversity of pteridophytes at Mulawala Mountain of the Sinharaja...

Recent Publications on the Flora of Sri Lanka

A check list of Pteridophytes of Sri Lanka - Catalog - UW Madison...
Decentralized System - Network

Develop a mechanism

to provide on-line (immediate) Full Text Access to Collective Local Scholarly Literature

to the Scholarly Community

Cross Archive Search Service for Sri Lanka

WINDOW for Local Intellectual output
Requirements for a National IR Network

Information Infrastructure
- Connectivity – High Bandwidth – 24 hours /365 days
- Lanka Academic Network - LEARN (VPN)
- All state sector Universities, few public universities & few Research Institutes, Other Research Institutions ???
- Hardware Requirements
- Skilled staff (set up Repository/maintain Repository)

Visibility - searchable through internet search engines - OAI compliant

Accessibility
- Broadband connectivity;
- Affordable prices

Content
- Current List of repositories in SRI Lanka
- Attitudes of management/Researchers – POLICY ???
- Copyright agreements with publishers
- National Digitization project

Interoperability - OAI compliant
Common search platform
National Network of Institutional Repositories

- National Science Foundation
- Universities
- Research Institutes + R & D
- Science & Technology Institutes

Started in 2006 - 21 repositories

- 2006-2008 - 02
- 2009 - 03
- 2010 - 03
- 2011 - 06
- 2012 - 06
- 2013 - 03

- DSpace/WINISIS/Open Journals software
- OAI compliant/OAI not
- High visibility
- Many file types
- No language barrier

- Full Text Material > 5000
Welcome to the National e-Repository & Sri Lanka Scholarly Literature

This e-Repository has been established to create global visibility and accessibility to the collective output of scholarly research of Sri Lanka. The repository is maintained by the National Science Foundation and it archives, preserves and offers access to the full text of scholarly literature of Sri Lankan origin. The repository is updated daily.

We invite Sri Lankan Scholars to upload your publications in this Repository.

Registered Users? Click to upload publications. New Users? Click to register.

Search

Enter your Search Text in the box below to search. Tip: You can use Wildcard (*) or other search operations: (AND/OR/NOT) for the searching. For example, if you use "Bio" as search term, the system will result papers which have the word beginning with letters "bio". (e.g., biotechnology, biology/biochemistry, etc.).

[Search Other Sri Lankan Repositories and Journals]

Choose a community to browse its collections.

1. NSF Publications [2111]
2. Sri Lanka Conferences Papers / Proceedings [42]
3. Journals Published in Sri Lanka [1941]
4. New Submissions [0]
5. Chronic kidney disease (CKDu) [81]
CROSS Archival Search Service

Search Sri Lankan Repositories and Journals

Welcome to the one stop search interface to all Sri Lankan Digital Repositories and Open Access Journals. To improve the coverage, please inform us about any digital repository or DAI compliant journal you come across in Sri Lanka.

Following is the list of repositories and e-journals of Sri Lanka. The contents of these repositories and journals can be searched here.

**Repositories**
1. NSF Digital Library.
2. Tea Research Institute of Sri Lanka.
3. The Open University of Sri Lanka.
4. University of Moratuwa, Sri Lanka

**Journals**
1. Built Environment Sri Lanka
2. Ceylon Journal of Medical Science
3. Ceylon Journal of Science ( Biological Sciences)
4. Ceylon Medical Journal
5. COCOS
6. Ceylon Medical Journal
National Digitization Project

Project Period (2012 – 2016)

2. Digitization of local literature collections: major libraries
3. Develop Institutional Repositories (on DSpace software)
4. Staff Training to set up IR – National Expert Team
5. Training on database administration & management
6. Conversion of current databases into DSpace
7. Equipment/Database hosting facilities
8. Temporary Staff for data entry
9. Technical support and trouble shooting
Open Access Journals

Sri Lanka Journals Online

New Journals:
- Sri Lanka Journal of Medical Administration (2013)

New Issues:
- Sri Lanka Journal of Venerology Vol.3(1) 10/04/2013
- Ceylon Journal of Science (Biological Sciences) Vol.41(2) 04/04/2013
- Journal of Agricultural Sciences Vol.8(1) 03/04/2013
- Ceylon Medical Journal Vol.58(1) 01/04/2013

There are 49 journals listed on SJOL. There are 422 Tables of Contents listing 4063 articles. 3003 of the articles are available in full text (PDF).

SLJOL Newsletter No. 8 now available.

Browse all journals

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z All

Built Environment Sri Lanka
An international refereed research publication of the Sri Lanka Institute of Architects. Full text articles available.

Ceylon Journal of Medical Science
The Ceylon Journal of Medical Science is issued from the University of Colombo, Sri Lanka. Full text available.

Open Access Journals - 48

Started in 2008 August
July 2012 – 36 Journals
April 2013 – 48 Journals

Open Journals Software

OAI compliant

High worldwide visibility

Full text material 3919
1. Ceylon Journal of Medical Science
2. Ceylon Medical Journal
3. Galle Medical Journal
4. International Journal of Prevention and Treatment of Substance Use Disorders
5. Journal of Diagnostic Pathology
6. Journal of the Ceylon College of Physicians
7. Journal of the College of Community Physicians of Sri Lanka
10. Sri Lanka Journal of Critical Care
Sri Lanka Journals Online (SLJOL) - Visibility

Unique visits to SLJOL (Jan – Dec 2011)

Global visitors to SLJOL (Jan – Dec 2011)

Issues, articles and Full Text

Visitors to SLJOL by mobile phone
<table>
<thead>
<tr>
<th>Awareness on Open Access</th>
<th>84%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Familiar with OA</td>
<td>50%</td>
</tr>
<tr>
<td>Less Familiar with OA</td>
<td>34%</td>
</tr>
<tr>
<td>Usage of OA material</td>
<td>69%</td>
</tr>
<tr>
<td>High usage</td>
<td>50%</td>
</tr>
<tr>
<td>Less usage</td>
<td>19%</td>
</tr>
<tr>
<td>Contribution to OA Journals</td>
<td>40%</td>
</tr>
<tr>
<td>High contribution to OA journals</td>
<td>9%</td>
</tr>
<tr>
<td>Low contribution to OA journals</td>
<td>31%</td>
</tr>
<tr>
<td>Willingness to Publish Research papers</td>
<td></td>
</tr>
<tr>
<td>Publish in OA Journals</td>
<td>49%</td>
</tr>
<tr>
<td>Publish in high impact subscription journals</td>
<td>33%</td>
</tr>
<tr>
<td>Normal subscription based journals</td>
<td>13%</td>
</tr>
<tr>
<td>Willingness to deposit PG theses in OA Repository</td>
<td></td>
</tr>
<tr>
<td>Willing to deposit</td>
<td>73%</td>
</tr>
<tr>
<td>Reluctant to deposit</td>
<td>12%</td>
</tr>
<tr>
<td>Copyright should be owned by author</td>
<td>38%</td>
</tr>
<tr>
<td>Copyright Should be a balance between Author and Publisher</td>
<td>35%</td>
</tr>
<tr>
<td>Copyright should be with the publisher</td>
<td>16%</td>
</tr>
<tr>
<td>Senior Researchers are more positive towards OA practices than juniors</td>
<td></td>
</tr>
</tbody>
</table>
Level of Awareness on Open Access

84% (190) are Aware on Open Access Material

Awareness of Senior Academics/Researchers is higher - 112
Awareness of junior Academics/Researchers is less - 38
Usage of Open Access material

156 use to OA material

Senior Academics/Researchers use more – 95
Junior Academics/researchers use less - 34
Contribution to Open Access publishing

74% contribute to OA Publishing

Senior Academics/Researchers
Contribute more – 71
Junior Academics/researchers contribute less - 23
Attitude towards publishing Research Information

Willingness to Publish Research Papers in Journals

- 34% Normal Subscription based Journal
- 49% OA Journal
- 13% High Impact Subscription based Journal
- 4% Not Answered

Willingness to Publish Research Papers in Journals by Staff Category

- 49% Not Answered
- 57% Normal Subscription based Journal
- 26% High Impact Subscription based Journal
- 22% OA Journal
Opinion on Copyright ownership

Majority believe that author should own copyright - 82
Some prefer copyright ownership to be a balance between author & publisher - 75

More seniors believe that author should own copyright - 48/19
More seniors believe that copyright should be a balance between author & publisher - 51/14
Willingness to deposit PG theses in OA Repositories

Majority are willing to deposit theses in OA Repositories

Willingness to Deposit Post Graduate Thesis in OA Repository

![Chart showing willingness to deposit PG theses in OA Repositories](chart.png)

Willingness to Deposit Post Graduate Thesis in OA Repository

![Bar chart showing willingness to deposit PG theses in OA Repositories by staff category](bar_chart.png)

Staff Category

- Senior Researcher: 14
- Researcher: 31
- Other: 28

Willingness:
- Not Answered
- Willing
- Reluctant
Conclusions/Recommendations

- Sri Lanka has a high potential for OPEN ACCESS practices
  - Basic infrastructure for National IR Network – to be expanded
  - Sri Lanka Journals Online – 48 Open Access journals – rapid growth rate reflects the positive attitude - to be further expanded
  - Positive attitude of senior researchers towards Open Access – survey results
  - Discussions with Commercial publishers is required to practice depositing papers in IR

- Awareness on OA is required

- OA Policy is required