Benefits and Challenges of AO and Institutional Repository Implementation in Seventh-day Adventist University Libraries: An International Perspective

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Identify the opinion of directors of Seventh-day Adventist university libraries around the world regarding the advantages of OA as well as the main challenges they face for the implementation of an institutional repository.
Background

- SDA founded in 1863
- 208 countries
- 97 Colleges & Universities
Method

- Questionnaire

- 92 libraries

- 64 countries
In your opinion, please mark all of the following benefits your library will experience through Open Access and academic/institutional repositories.
Questions

In your opinion, what are the obstacles, challenges and possible disadvantages faced by your library when Open Access and academic repositories initiatives are considered for implementation?
Questions

At this time are you planning to implement such an initiative?

If no, is your library planning to implement such an initiative?
Literature Review

• A usage-reporting service.

• Download articles to the researcher’s CV.

• Organize content in certain ways.

• Aid the institution in assessing the institution’s research program.
Literature Review

- Report data to government or for other statutory requirements.
- Collect articles from the institution’s authors when they are ready for peer review.
Literature Review

Motivations for the adoption of OA

- Research Impact
- Cost
- Ethics
- Just Reward

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Literature Review

Motivations for the adoption of OA

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- Collect articles from the institution’s authors when they are ready for peer review.
Literature Review

Types of Green OA

- THEMATIC
- NATIONAL
- RESEARCH
- INSTITUTIONAL
Literature Review

CONTENT

- Peer reviewed journal articles
- Conference papers
- Technical reports
- Thesis
- Presentations
- Scientific research results

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CONTENT

Source Materials
Scholarly multimedia materials
Audio and video files
Departmental databases
Institutional records
Digital pictorial materials

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WHO BENEFITS

- Libraries
- External Funders
- Readers
- Society
- Universities
- Government
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WHO BENEFITS

Students

Teachers

Nations

Researchers

Publishers

Research Institutions

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Advantages pointed by the literature

- May increase the chance of cross-discipline fertilization.
- Institution’s increased visibility, impact and presence on the Web.
- Opens a complete record of the research output of the institution to the world in easily accessible form.
- Provides the means for the institution to manage and measure its research and teaching programs more effectively.

Citation advantage over non-open access articles.
Literature Review

- Accelerates the dissemination of research information and provide maximum access to scholarly communication.

- It is possible to crosslink the publication to any research datasets and software used in producing the paper.

- Opens a complete record of the research output of the institution to the world in easily accessible form.

- Provides a workspace for work-in-progress, and for collaborative or large-scale projects.

- Enables and encourages interdisciplinary approaches to research.

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Advantages pointed by the literature

- Facilitates the development and sharing of digital teaching materials and aids.

- Supports student endeavors, providing access to theses and dissertations and a location for the development of e-portfolios.

- Moves research along faster.

- Allows for better management and assessment of research.

- Inexpensive.
Advantages pointed by the literature

- It's quick, done by individual authors.
- Easier and faster literature searching.
- Reduced costs in terms of time savings, photocopying, interlibrary loans and subscriptions.
- The readership is larger than for subscription-based journals.
- Better prospects for long-term preservation of scholarly work.
Literature Review

CHALLENGES

- Publishers and learned societies fear the green OA threatens their business viability.
- Copyright agreements between authors and publishers may inhibit the “green” route.
- Filtering and censorship barriers.
- Most online literature is in English.
- Handicap access.
- Connectivity: Inequalities in access to the internet, extent of use, knowledge of search strategies, quality of technical connections and social support, ability to evaluate the quality of information, and diversity of uses.
Literature Review

CHALLENGES

- Lack of academic or political willpower.
- Resistance to change.
- Many countries or institutions lack the technological infrastructure to handle OA materials.
- Can increase the financial burden on authors and institutions to publish their material.
- Diminishes chances of winning.
- Adversely affect chances of appointment/promotion.
Results

1. Challenges

- Lack of academic or political willpower.
- Resistance to change.
- Many countries or institutions lack the technological infrastructure to handle OA materials.
- Can increase the financial burden on authors and institutions to publish their material.
- Diminishes chances of winning.
- Adversely affect chances of appointment/promotion.
Results

Twenty-eight addresses failed to reach their destination as undelivered.

Fifteen librarians from ten countries answered and returned the questionnaire.
## Results

<table>
<thead>
<tr>
<th>COUNTRIES</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>6</td>
</tr>
<tr>
<td>Australia</td>
<td>1</td>
</tr>
<tr>
<td>Congo</td>
<td>1</td>
</tr>
<tr>
<td>Costa Rica</td>
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<td>Italy</td>
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<td>Kenya</td>
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<tr>
<td>Philippines</td>
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<tr>
<td>Serbia</td>
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<tr>
<td>Spain</td>
<td>1</td>
</tr>
<tr>
<td>Taiwan</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**PARTICIPATING COUNTRIES**
### Results

<table>
<thead>
<tr>
<th>ADVANTAGES AND BENEFITS</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expands the circulation of scientific work.</td>
<td>11</td>
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<tr>
<td>Creates global visibility for an institution's scholarly research.</td>
<td>10</td>
</tr>
<tr>
<td>Accelerates the dissemination of research information.</td>
<td>10</td>
</tr>
<tr>
<td>Maximizes research.</td>
<td>09</td>
</tr>
<tr>
<td>Provides maximum access to scholarly communication.</td>
<td>09</td>
</tr>
<tr>
<td>Provides access to archival literature.</td>
<td>09</td>
</tr>
<tr>
<td>Allows digital copies to be posted in subject-specific institutional repositories.</td>
<td>08</td>
</tr>
<tr>
<td>Eliminates financial or permission barriers.</td>
<td>07</td>
</tr>
<tr>
<td>Enhances the speed with which articles are cited.</td>
<td>06</td>
</tr>
<tr>
<td>Provides for unlimited space for tables.</td>
<td>05</td>
</tr>
<tr>
<td>Allows for figures and video footage.</td>
<td>04</td>
</tr>
<tr>
<td>Allows for collaboration with researchers around the world.</td>
<td>01</td>
</tr>
</tbody>
</table>

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## Results

**CHALLENGES (SDA Libraries)**

<table>
<thead>
<tr>
<th>OBSTACLES AND CHALLENGES</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical infrastructure.</td>
<td>09</td>
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<tr>
<td>Lack of budget or funds.</td>
<td>08</td>
</tr>
<tr>
<td>Lack of specialized personnel.</td>
<td>05</td>
</tr>
<tr>
<td>Preservation of content and sustainability of services.</td>
<td>05</td>
</tr>
<tr>
<td>Implementation and maintenance of quality control system.</td>
<td>05</td>
</tr>
<tr>
<td>Copyright issues.</td>
<td>04</td>
</tr>
<tr>
<td>Enticing scholars to deposit.</td>
<td>04</td>
</tr>
<tr>
<td>Long term preservation and access.</td>
<td>04</td>
</tr>
<tr>
<td>Institutional culture and/or support not adequate.</td>
<td>03</td>
</tr>
<tr>
<td>Content not always recognized as authentic.</td>
<td>03</td>
</tr>
<tr>
<td>Challenges to make content visible.</td>
<td>02</td>
</tr>
<tr>
<td>Lack of political or academic will power.</td>
<td>02</td>
</tr>
</tbody>
</table>
Conclusion

Librarians from SDA university libraries are aware

Face many challenges to implement

Only 1 has implemented fully

Six intend to implement in the near future

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Conclusion

Librarians will need to reconsider strategies to deal with new structures of scholarly communication in order to maintain relevant to its community of users.

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