

CHALLENGING LIBRARIES IN THE ALTERNATIVE DISSEMINATION OF AFRICAN SCHOLARLY COMMUNICATION



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Executive Director: UJ LIC
11-14 June 2007

CHALLENGING LIBRARIES AGENDA



Reality check

Terminology

Why Open Access?

Open Access Journals

Publishers convert to OA

OA as tool for dissemination

Institutional Repositories

Open Access & Institutional Repositories in practice

Support of Open Access

Conclusion

REALITY CHECK



Local content and Publishing in Africa

Research institutions, Societies, NGOs

Small vs large commercial publishers

Chisenga (1999)

0.4% global online content

Excluding SA: 0.02%

De Beer (2006)

0.5% world publications

0.1% of world patents

GROW OWN TIMBER



REALITY CHECK: SCHOLARLY COMMUNICATION



Emphasis: increased research output

Incentives: institutions?

Dissemination?

Local content globally accessible

High cost: Double, double pay

Australia cost per article: AUD 19 000

Copyright and access to knowledge

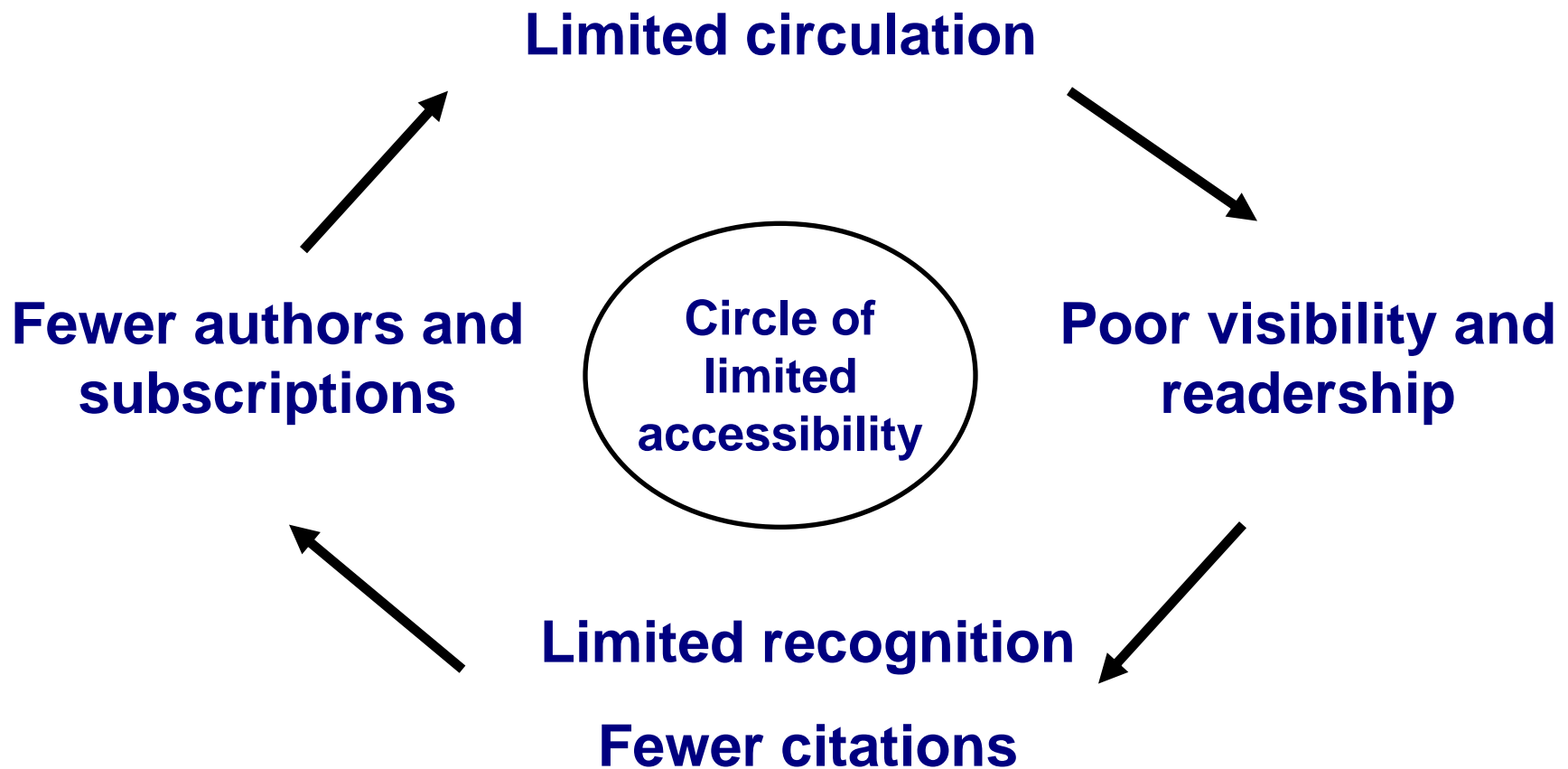
Language

Connectivity and access to the Internet

UJLIC

A globally acknowledged African gateway to scholarly information, renowned for breaking knowledge barriers

JOURNALS FROM DEVELOPING WORLD



Source: Chan, L. 2006 Improving the visibility and impact of journals from developing countries

DEFINING OPEN ACCESS: BOAI



The **free availability** of peer-reviewed literature on the public internet, permitting any user to read, download, copy, distribute, print, search, or link to the full texts of the articles (BOAI, Dec 2001)

Only refers to **scholarly publications** (not music, etc.)

Two main **strategies**:

- Open access journals and
- Institutional repositories

DEFINING OPEN ACCESS: ARL



-
- an alternative to traditional subscription-based publishing model
 - refers to works created with no expectation of direct monetary return
 - made available at no cost to the reader on the public Internet for purposes of education and research.

DEFINING OPEN ACCESS: SA



-
- Author pays model, investments by author, research institution, or research sponsor (Gray, 2004)
 - Free or low-barrier distribution of scholarly research, by publishing in OA journals; in institutional or subject discipline archives; on departmental or personal homepages; research output of postgraduates (ETD's)
(De Beer, 2004)
 - **Either / or?**
 - **Complementary; adds value**

WHY OPEN ACCESS?



-
- **Authors and institutions**
 - Visibility; increased communication; international exposure and peer-recognition
 - Cost of publishing and use – affordability?

 - **Readers**
 - Accessibility, affordability

 - **Libraries**
 - High costs, accessibility, differing needs

 - **Publishers?**

Open Access

Hussein Suleman (2007)



What is Open Access?

free online access to electronic resources: research papers, courseware, ETDs, etc.

Why?

Lower costs, Empower producers
Empower consumers, Improve visibility
...

How?

Institutional Repository: online system to manage documents, typically at one institution.

Open Access Journal: online system to manage publication and dissemination.

Advocacy, Policy, Procedures, Management, ...

Software Tools: DSpace, EPrints, OJS, ...

OPEN ACCESS JOURNALS



- A worldwide freely available online journal – no embargoes, at least for first 6 months
- Does not rely upon the traditional subscription based business model to generate revenue
- **Employ a combination of business models, among them:**
 - Article processing fee
 - Institutional membership
 - Hybrid model
 - Advertising
 - Sponsorship
- DOAJ



Directory of open access journals - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.doaj.org/>

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DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

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Welcome to the Directory of Open Access Journals. This service covers free, full text, quality controlled scientific and scholarly journals. We aim to cover all subjects and languages. There are now **2339** journals in the directory. Currently **673** journals are searchable at article level. As of today **105482** articles are included in the DOAJ service.

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Law and Political Science	Mathematics and Statistics
Philosophy and Religion	Physics and Astronomy
Science General	Social Sciences
Technology and Engineering	

DOAJ - Directory of Open Access Journals, 2006, [Lund University Libraries](#), Head Office

Ha Internet

Some international OA Journals



Public Library of Science

- PLoS Biology
- PLoS Medicine
- 4 community journals
- PLoS One

BioMed Central – over 150 journals

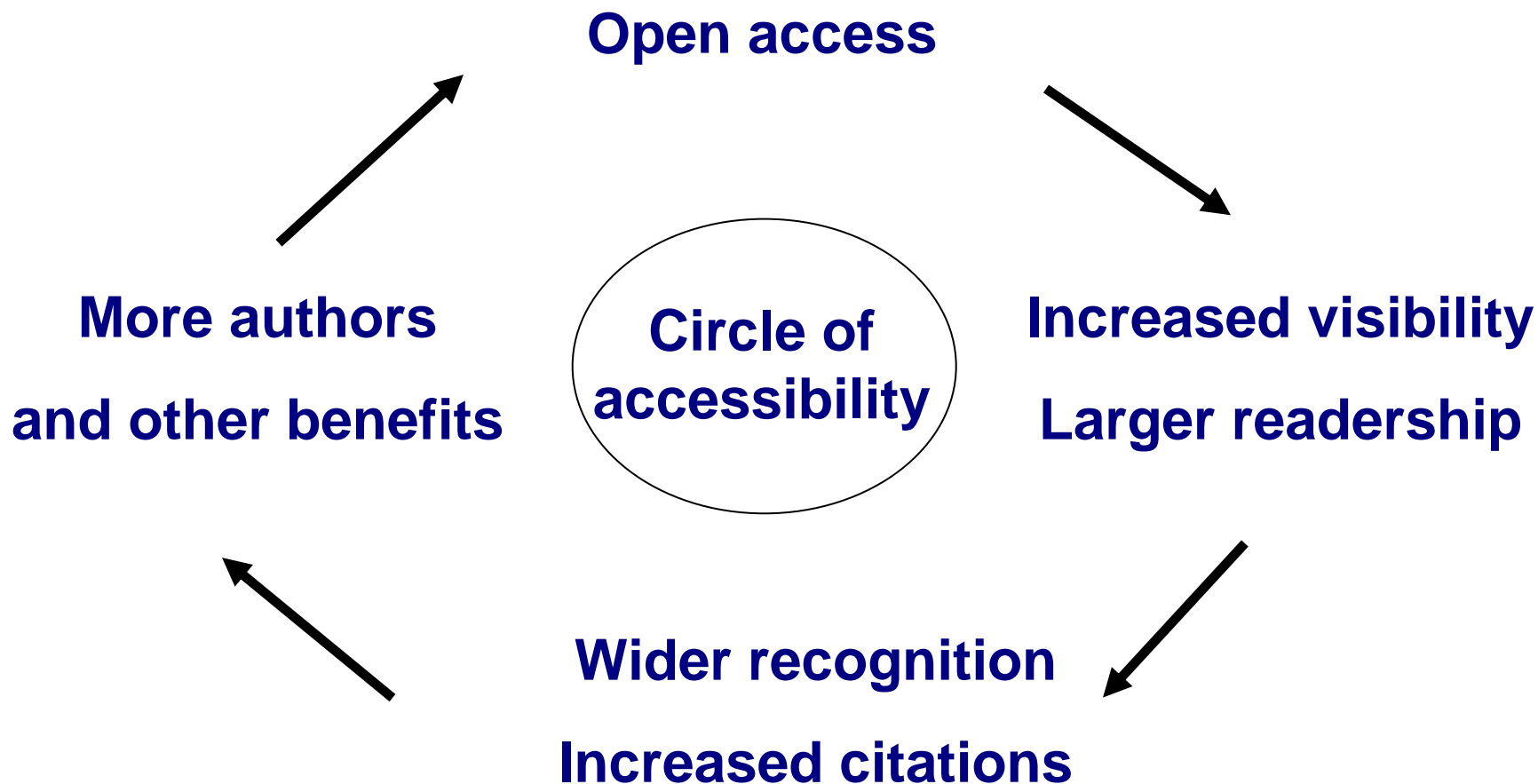
Bioline International – over 50 journals

Publishers convert to OA



-
- Oxford University Press – Oxford Open
Journal of Nucleic Acids, Journal of Botany
 - Springer – Open Choice
 - Blackwell – Online Open
 - Elsevier – hybrid model for six Physics Journals
 - National Academy of Sciences
Proceedings of the National Academy of Sciences
 - HSRC
 - Academy of Science of South Africa (ASSAf)
 - NRF endorsement

OA AS TOOL FOR DISSEMINATION



INSTITUTIONAL REPOSITORIES



- Publicly accessible repository (archive)
- All work published by researchers/authors affiliated with the university/academy can be posted online
- Contributes to status of institution by displaying the intellectual output of the institution.
- Interoperable software – OAI compliant DSpace; ePrints, Fedora, etc.
- DOAR



http://www.soros.org/openaccess/pdf/OSI_Guide_to_IR_Software_v3.pdf - Microsoft Internet Explorer

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156%

Done

Internet

1 of 28 8.5 x 11 in

Open Society Institute



A Guide to Institutional Repository Software

OpenDOAR - Home Page - Directory of Open Access Repositories - Microsoft Internet Explorer

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OpenDOAR

Directory of Open Access Repositories
Home | Find | Suggest | FAQ | About | Contact Us

The Directory of Open Access Repositories - OpenDOAR

OpenDOAR is an authoritative directory of academic open access repositories. As well as simply listing repositories, OpenDOAR provides tools and support to both repository administrators and service providers in sharing best practice and providing tools to improve the quality of the repository infrastructure. Further explanation of these features is given in a project document [Beyond the list](#).

The current directory lists repositories and allows breakdown and selection by a variety of criteria - see the [Find](#) page. A new version of OpenDOAR is being developed with far greater functionality. The underlying database has been redesigned from the ground up and now includes more in-depth information on each repository that can be used for search, analysis, or underpinning services like text-mining. The release of the new version will be incremental, developing the current service as new features are introduced. A list of [Upgrades and Additions](#) is available.

Each OpenDOAR repository has been visited by project staff to check the information that is recorded. This in-depth approach gives a quality-controlled list of repository features. Developments will be of use both to users wishing to find original research papers and for service providers like search engines or alert services which need easy-to-use tools for developing tailored search services to suit specific user communities.

Go to [Find and browse repositories](#).

The importance and widespread support for the project can be seen in its funders, led by the [Open Society Institute](#) (OSI), along with the [Joint Information Systems Committee](#) (JISC), the [Consortium of Research Libraries](#) (CURL) and [SPARCEurope](#).

More information on the project is available on this site through the [About](#) page.

© 2006, [University of Nottingham, UK](#). Last updated: 04-Jul-2006

Internet

INSTITUTIONAL REPOSITORIES IN eIFL.net



Dec 2006: 51

Azerbaijan

Belarus, Estonia, Lithuania, Poland (18), Russia, Serbia,
Slovenia, Ukraine

Mongolia

China (7)

Jordan

Senegal, South Africa (9), Uganda (2) Zimbabwe

OPEN ACCESS IN SA



4 OA Journals of which 2 accredited (www.doaj.org)

9 OA repositories

6 ETDs

3 combo (institutional / university wide)

2 combo (departmental / faculty)

1 OA mandate



Opening access to quality social science in Africa

RCH

ADVANCED SEARCH

- WSE ALL TITLES
- WSE BY AREA
- S, CULTURE & ITAGE
- IOCRACY & VERNANCE
- ELOPMENT
- CATION & TRAINING
- LTH
- ORY
- IONAL STUDIES
- ENCE & TECHNOLOGY
- ITH & FAMILY
- ELOPMENT



HSRC Press is South Africa's open access publisher committed to the dissemination of high quality social science research based publications, in print and electronic form. The Press publishes the research output of the Human Science Research Council and externally authored works. A formal peer-review process guarantees the highest academic quality and the Press has a very active local and international marketing programme, in addition to collaborating with foreign publishers on specific titles.

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- Exploring the challenges of HIV/AIDS: Seminar proceedings
Bridgette Prince; Julia Louw; Kristin Roe; Rehaaz Adams
- Families and Households in Post-apartheid South Africa: Socio-demographic Perspectives
Acheampong Yaw Amoateng; Tim B Heaton
- Monitoring child well-being: A South African rights-based approach
Andrew Dawes; Rachel Bray; Amelia van der Merwe (eds)
- Postgraduate student retention and success: A South African case study
Charlton Koen

New Titles

- Learning to Teach in South Africa
Wally Morrow
- Language, Identity, Modernity: The Arabic Study Circle of Durban
Shamil Jeppie
- Representation & Reality: Portraits of Women's Lives in the Western Cape 1948 - 1976
Helen Scanlon
- Imagining the City: Memories and Cultures in Cape Town
Sean Field; Renate Meyer; Felicity Swanson (eds)
- Going for Broke: The fate of farmworkers in arid South Africa
Doreen Atkinson

More...

PRACTICAL EXAMPLES HSRC



- Consultancy 2001 re HSRC publications
- **Barriers to implementation**
- Academic and publisher conservatism
- Relating publishing with institutional goals
- Fear of copyright infringement
- Cost of scanning backlists
- Financial issues
- Working with outsourced providers
- **Marketing and dissemination**
- **CEO support**



PRACTICAL EXAMPLES: SOCIAL SCIENCES HSRC



- HSRC Press = hybrid press
- Mandate: disseminate HSRC research output a.o. social research output
- > 200 titles online
- Reviewed: 2 recognised experts in topic
- Print-on-demand purchase option
- Special rates:
 - academic institutions; not-for-profit; libraries;
 - Charitable organisations
- www.hsrcpress.ac.za



DISA: Digital Imaging South Africa



Non-profit

Cooperation - research libraries and archives in Southern Africa

Network SA universities

Sponsored by Andrew W. Mellon Foundation since 1997

UKZN based

Digitizing and digital information resources on-line

Focus: history of the liberation struggle & high socio-political interest

OA basis for any collaboration.



SUPPORT AND ASSISTANCE: OA JOURNALS AND IRs



- **Organisations and Foundations**

- <http://www.soros.org/openaccess/>

- <http://www.eifl.net>



- **Guides**

- Guide to Business Planning for Converting a Subscription-based Journal to Open Access

- Guide to Business Planning for Launching a New Open Access Journal

- Model Business Plan: A Supplemental Guide for Open Access Journal Developers & Publishers

- **Seals** ETD-project / COSALC /CHELSA

- **Sivulile** – *We are Open*

SIVULILE



COSALC/SASLI Workshops *

Open Access July 2004

Sivulile

SASLI, UCT, UKZN, US

Institutional repositories May 2005

Greenstone workshop Dec 2005

OSISA/eIFL.net workshop

Open Access and IR August 2006

Government endorsed

* *Supported by eIFL.net*



sivulile



open access
south africa

ACADEMY OF SCIENCE OF SOUTH AFRICA (ASSAf)



Report on a *Strategic Approach to Research Publishing in South Africa* to:

- Raise standing & effectiveness of SA research journals
- Improve productivity of publication – different formats
- Establish SA Journal of Science (SAJS) as national asset, high quality
- Discoveries and insights – wider public than researcher community

ASSAf RECOMMENDATIONS Number 6



OA initiatives be promoted to:

- Enhance all SA research visibility
- Accessible to entire international research community
- Funded in major by author page charges (gold route)
- Federation of institutional OA repositories adhering to common standards be established (green route)
- National harvesting of SA OA – matter of urgency

ASSAf RECOMMENDATIONS Number 9 & 10



9 DST tasked to ensure SA science / innovation community (incl govt agencies) should:

Through international action, promote development of non-commercial, expanded, diversified, more inclusive international listing and indexing system for research journals, incl those published in developing countries, within the evolving electronic knowledge-disseminating and archiving system

10 Evaluate in 3 years time

NATIONAL RESEARCH FOUNDATION NRF



56 Recommendations on various strategic ISSUES identified including:

- Equitable access to data and information
- Who pays?

KEY recommendation: ICSU members, interdisciplinary bodies, **science funding bodies** (NRF emphasis), data and information providers, and users, as key stakeholders, should be involved in the development of the **long-term strategic framework** to ensure that the full benefits of new data and information technologies and capabilities are extended through out the world

Subsidise: page charges



OTHER PRACTICAL EXAMPLES



National ETD project

Institutional repositories: Universities, including UCT,
Rhodes, UP, UJ, Wits

Free High School Science Text (FHSST)

LOCKSS project

SA Academy of Sciences

National Research Foundation

DIGITAL LIBRARY DILI



Mail & Guardian: 1 June 2007

Naspers 24.com

Sabinet

250 000 local titles

Commercial

CONCLUSION:

Point of view: Research Libraries



<p>BIG DEAL</p>	<ul style="list-style-type: none"> •Based on historical paper spent •E-only? VAT from 6% to 21% (for Belgium) •Multi year deal(s) •Non cancellation (even with e-only) 	<ul style="list-style-type: none"> •Number of journals not lower •Pricing not lower, cf LISU study; with even recent merger •Still more efforts needed to raise authors' awareness of pricing model •Reader pay model
<p>OA JOURNALS</p>	<ul style="list-style-type: none"> •No subscription fee •Need to change internal financial flows •[<i>Institutional fee comes on top of subscription fees</i>] 	<ul style="list-style-type: none"> •Institutional vs author fee •Need for a critical mass •Institutions and government need to implement new and coherent accreditation
<p>INSTITUTIONAL REPOSITORIES</p>	<ul style="list-style-type: none"> •Institutions/consortia become 'their own publisher' •No need to change internal financial flow 	<ul style="list-style-type: none"> •Repository needs to be visible •Mandating i.e. via library •Institutions need to implement accreditation based on those new ways of scientific publishing

Current incoherent mixed model = financially unsustainable

(Adapted from: Von Wotterghem, K, 2007, Toward a New Equilibrium in Scientific Publishing? Presentation at the EU Conference on Scientific Publishing)

FINAL QUESTION



Does national site licensing contribute to greater accessibility of scientific information and to local content availability?

ACKNOWLEDGEMENTS & FURTHER READING



Melissa Hagemann, OSI

<http://www.soros.org>

eIFL.net

<http://www.eifl.net>

Report on a Strategic Approach to Research Publishing in South Africa.

http://blues.sabinet.co.za/images/ejour/assaf/assaf_strategic_research_publishing.pdf

Australia. Department of Education, Science and Training. *Research Communication Costs in Australia: Emerging opportunities and benefits*

National Research Foundation www.nrf.ac.za

Masango, Charles 2006. *South African Scholars' and Commercial Publishers' perceptions of Open Access Sources*. In: Mousaion 24 (2): 249-268



THANK YOU

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