



UNITED NATIONS, NEW YORK | 8-10 FEBRUARY 2023

3rd Open Science Conference

Accelerating the Sustainable Development Goals,
Democratizing the Record of Science



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DESA



*Yousef Torman,
Managing Director,
ASREN*

Before We start

For many, Open Science is perceived/
/understood as open access to

- papers,
- publications and
- Journals

UNESCO's Recommendations say

- Scientific Publications
- Open Research Data
- Open Educational Resources
- Open Source Software
- Open Hardware
- ...
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Open Access

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Open Science



- Launched at LAS in Cairo December 2010, Under the Patronage of LAS S.G
- Endorsed by LAS, EC, AArU, FASRC and AICTO and more
- Honorary Chaired by HE Secretary General of LAS
- Officially Registered in Germany as non for profit GmbH

ASREN

Arab States Research and Education Network (ASREN), is a legal non for profit organization with Arab NRENs as shareholders for promoting world-class Pan-Arab e-Infrastructures and E-services for the R&E communities to boost Scientific Research and regional Cooperation

- **Vision:** Pan-Arab collaborative research and education projects and activities, contribute to boost the scientific research, innovation and education levels in the Arab countries by uplifting efficiency and productivity of research and education communities.
- **Mission:** To implement, manage and extend sustainable Pan-Arab e-Infrastructures dedicated for the Research and Education communities and to boost scientific research and cooperation in member countries through the provision of world-class e-Infrastructures and e-services.



ASREN Objectives



1. **Build, maintain and consolidate regional e-Infrastructures dedicated to e-Science and education across the Arab countries:**
 - Developing, managing and operating a regional network that interconnects the NRENs of the Arab countries.
 - Promoting harmonization of policies and standards in relevant areas at a regional level.
 - Advocating/lobbying at the regional level amongst decision makers and stakeholders
2. **Contribute to creating and sustaining NRENS:**
 - Supporting NRENs to implement leading-edge technological solutions while pursuing cost-effectiveness
 - Favouring exchange of expertise and best practices amongst NRENs' personnel in the region
3. **Facilitate collaboration and cooperation among researchers and academics:**
 - Increasing availability and accessibility to knowledge resources
 - Promoting development of scientific and cultural content in Arabic
 - Facilitating knowledge exchange and transfer processes across the region and worldwide
 - Promoting the adoption and usage of e-Infrastructures and services among the scientific community
 - Strengthening regional partnerships and encouraging joint scientific research



Areas of Intervention

- Dedicated Research and Education Networks at national, regional and global levels
→ Network Management and Monitoring, Network Security, PerfSonar, MANRS. ...
- Research and Education Services
→ Educational roaming → eduroam, Federated Access through eduGAIN
- Science Cooperation
→ UN-SDGs through science, Open Science, Open Access, OER, Open Science Platforms, Science Diplomacy
- Community Engagement
→ Science Communities and Communities of Practice, R&E Communities, Technical Communities
- Scientific Computing
→ HPC, Clouds, Grids
- Internet Access, Security and Governance



Everyone Speaks Open Science

But who is really doing it?



Egyptian Knowledge Bank
بنك المعرفة المصري



ASREN



F.O.R.M.

Forum for Open Research in MENA

26th & 27th October

The Westin
New Cairo, Egypt

www.forumforopenresearch.com



OPEN SCIENCE POLICIES AND MANDATES IN AFRICAN HEIS WORKSHOP

26th-27th Oct
9am to 2pm
UTC, Egypt

Guest Speaker: Professor Mohamed Loutfi, President and Vice-Chancellor - The British University in Egypt

Inviting Middle East & North Africa Vice Chancellors, Rectors,
Deputy Vice Chancellors, Directors of Research and
Library Services



Association of African Universities
North Africa Regional Office
AAU - NARO

المركز الإقليمي لاتحاد الجامعات الإفريقية
لشمال إفريقيا



ASREN efforts to Support Open Science

- LIBSENSE Initiative: Workshops & Activities
- Collaboration with DataCite & ORCID
- Arab Harvesting Infrastructure → Collaboration with LA Referencia
- Collaboration with UNESCO
- Collaboration with EOSC
- Collaboration with AArU
- The Arab Science Cooperation to achieve UN SDGs - UNGA76



ASREN



LIBSENSE

STRENGTHENING OPEN SCIENCE IN AFRICA

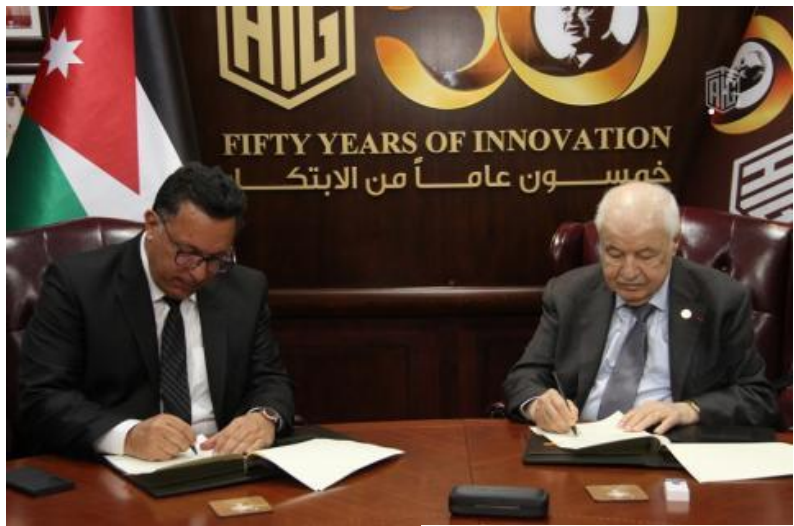


Memorandums of Collaboration

- Open Science
- Arab States Open Science Cloud



Association of Arab Universities



Federation of Arab Scientific Research Councils



Very Soon
with UNESCO



ASREN recognized by Regional OS Clouds and Platforms



ASREN is Official Observer with EOSC and
Contributes to Several Task Forces



**ASREN was part of the
planning process, mainly the
for infrastructures
component**



**Good Cooperation with
National Initiatives for Open
Science in Europe**



ASREN to start its Regional Harvesting Services



- **LA Referencia** and ASREN worked together in a pilot experience using **LA Referencia** software platform:
 - harvesting and validating samples of Arabic repositories
 - knowledge sharing and technical meetings
 - evaluating the software as an alternative for building services
- The pilot was very successful, and both learned a lot in the process.



→ **Deployment agreement signed in June during TNC22**
→ **Implementation started in February 2023**



RedCLARA
Cooperación Latino Americana de Redes Avanzadas



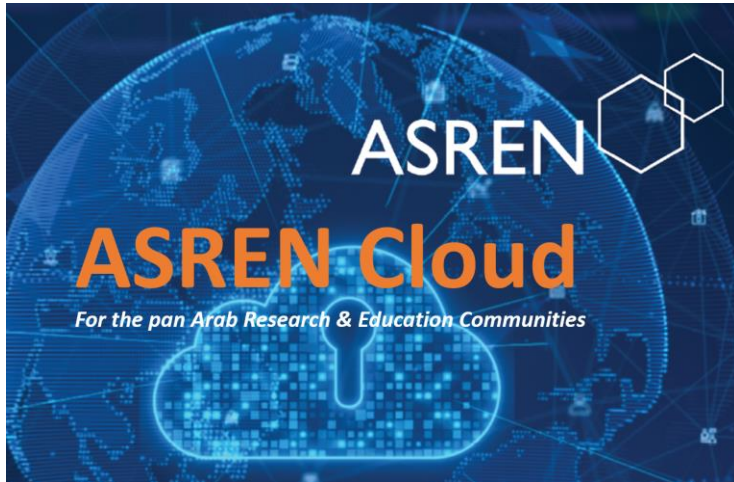
LA Referencia
Red de repositorios de acceso abierto a la ciencia

asrenorg.net

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Cloud Debate (**Planstorming**)

ASREN 



ASREN Calls for Science Dialogue



- *Science Cooperation and Societal development to advance progress towards achieving the UN SDGs*
- *Open Science, Open Access and Open Data*
- *Open Science Cloud as effective means to enhance science collaboration → Arab States Open Science Cloud (ASOSC)*
- *Regional and Global Science Communities to foster growth*





ASREN

- Open Science is Crucial for Science Cooperation
- Digital Infrastructure is Crucial for Open Science
- Research & Education Networks are Crucial for the Crucials

Its Time to Rely on NRENs
Its Time to Support NRENs

Thank you

Any questions?

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