ASREN
Arab States Research and Education Network
المنظمـــــة العربيـــــة لشـــــبكات البحـــــث والتعليـــــم

Invitation to Join And be part of
the Arab States Research and Education Network – ASREN
high speed network connecting you to the global research and
education network and resources

Why Research and Education Networks?

Dedicated Internet connectivity with high-speed communication between research and education (R&E) institutions. The purpose is to support researchers with computing resources, services, tools, and applications and link them with their peers at the national, regional and global level.

National Research and Education Networks (NRENs) connect institutions at the national level, allowing them to peer, exchange data, access resources and connect with regional and national institutions via specialized and dedicated networks.

Regional Research and Education Networks (RRENs) connect NRENs at the regional level and peer with similar regional networks at the global level. This will help to extend collaboration and cooperation across the region and the world, and allowing better sharing of resources.

The Arab States Research and Education Network (ASREN)

Represents the association of Arab NRENs that aim to implement, manage and extend sustainable pan-Arab e-Infrastructures dedicated for R&E. The goal is connect Arab institutions between themselves and to the globe through high-speed data-communications networks. Such networks will enable sharing and access to a variety of research services and applications in addition to utilization of highly sophisticated and tecnologically advanced computing resources available only at very few institutions in the world.

We aim to boost pan-Arab collaborative research and education projects and activities, contribute to promote scientific research, innovation and education across the Arab region.

Our mission is to implement, manage and extend sustainable pan-Arab e-Infrastructures dedicated for the R&E communities and to boost scientific research and cooperation in member countries through the provision of world-class e-Infrastructures and e-services.

Our objectives are:

☐ To build, maintain and consolidate regional e-Infrastructures dedicated to e-Science and education across the Arab countries, by
- 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 regional level
- advocating endorsement amongst decision makers and stakeholders at regional level

☐ To contribute to create and sustain National Research and Education Networks (NRENS) by
- supporting them to implement leading-edge technological solutions while pursuing cost-effectiveness
- promoting the exchange of expertise and best practices amongst the NRENs' personnel in the region

☐ To facilitate the collaboration and cooperation among researchers and academicians in the Arab region by:
- increasing the availability and accessibility of knowledge resources for students and researchers
- promoting the development of Arabic contents and their accessibility
- facilitating knowledge exchange and transfer processes across the region and with relevant partners in Europe and worldwide
- promoting the adoption and usage of e-Infrastructures and services among the scientific community, also through training and tutoring activities
- strengthening regional partnerships and encouraging joint scientific research at all levels.

The ASREN Network sets out to connect NRENs across the Arab region through a high quality network with several points of presence (PoP) in a number of Arab cities. Selection of PoPs will be depend on the availability and routing of regional optical fibers.

ASREN is a partner in the EUMEDCONNECT3 programme which has connected the Arab Mediterranen countries Algeria, Egypt, Jordan, Morocco, Palestine, Syria and Tunisia since 2004. In the current phases, connections are being re-established, initially with Algeria, Egypt and Palestine, with additional countries eligible for EC funding support. These countries benefit from the EC funding, which covers 34% of the cost of the circuit cost. The opportunity is open to other Arab Countries to join at cost. With its direct links to GÉANT, the pan-European R&E network, EUMEDCONNECT3 provides access to over 40 million users at over 8000 research and education establishments across Europe. Via GÉANT's connections to networks in other world regions, EUMEDCONNECT3 is a gateway for Mediterranean researchers to be truly global players.

Benefits

With ASREN, NRENs will get direct access at the appropriate capacity to the pan- European Academic and Research Network GEANT through its PoP in London, and so to the US Internet2, Canada, Latin America, Asia, and Africa research and education networks. The ASREN network will provide insitutions with high-speed, high-quality connection to access the following:

☐ Internet. Institutions can have direct access to the worldwide Internet sites and resources around the world , keeping in mind that this PoP is connected to the largest and fastest exchanges in Europe.

☐ Regional research and education networks in the world including GEANT, Internet2, RedCLARA, CANARIE, TEIN, AfricaConnect, and others.

☐ Euro-Med Grid Infrastructure network, providing high-performance scientific computing infrastructure that can be used through ASREN.

☐ CHAIN Science Gateway services, providing several services, tools, applications and data integrated via a portal dedicated scientific communities and research groups

☐ High- performance computing services at the Cyprus Institute under the project: Linking Scientific Computing in Europe and the Eastern Mediterranean LinkSCEEM2 which can provide these services to the scientists in Jordan and the region.

☐ Federation of Identities to allow economies of scale and single sign-on services to digital repositories and highly sophisticated services and applications.

Contact information

Main Office:
Goethestraße 7 - 40237 Düsseldorf, Germany
Executive office:
P.O.Box: 921951, Amman 11192, Jordan
Tel: +962 6 5100900 Ext.: 5217, 2403
Fax: +962 6 5100901
E-mail: info@asrenorg.net