



Under the Patronage of

**H.E. Mr. Amre Moussa**

**Secretary General of the League of Arab States**

Launch of  
**The Arab States Research and Education Network (ASREN)**



**Cairo – Egypt**  
**December 8 - 9, 2010**



The Arab Organization for Quality  
Assurance in Education



League of Arab  
States



Talal Abu-Ghazaleh  
Organization



European Commission



EUMEDCONNECT2 Project



“The ASREN initiative will connect our researchers and scholars allowing them to share knowledge and to collaborate. It is a unifying network for the Arab region, and I commend it.”

*Amre Moussa*

*Secretary General of the League of Arab States*



“Investing in e-Infrastructures will advance inter-Arab research and education and promote cooperation with Europe”

*Talal Abu-Ghazaleh, Chairman & CEO*

*Talal Abu-Ghazaleh Organization (TAG-Org)*

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His Excellency Mr. Amre Moussa**



**Launch of The Arab States Research and Education Network (ASREN)**

Day 1: Wednesday, December 8, 2010	
09:30 am - 10:30 am	<b>ASREN Board meeting (ASREN shareholders and invited only)</b> <ul style="list-style-type: none"> <li>• Ratifications of board positions and committee chairs</li> <li>• Preparing the Signature Ceremony</li> </ul>
10:00 am - 10:30 am	Registration all participants
10:30 am - 11:30 am	<b>Opening Ceremony</b> <ul style="list-style-type: none"> <li>• H.E. Dr. Talal Abu-Ghazaleh, ASREN Chairman, Welcome message</li> <li>• Dr. Saleh Hashem, Secretary General of the Association of Arab Universities</li> <li>• His Excellency Marc Franco, Ambassador / Head of European Union Delegation to the Arab Republic of Egypt , accredited to the League of Arab States</li> <li>• Dr. Kostas Glinos, European Commission DG Information Society and Media</li> <li>• His Excellency Mr. Amre Moussa, Secretary General of the League of Arab States</li> </ul>
11:30 am - 12:15 pm	<b>ASREN Agreement of Association Signature Ceremony</b> Press Conference and Coffee Break
12:15 pm - 12:45 pm	<b>Session 1: Keynote address : "A Global World, A Global Education"</b> <ul style="list-style-type: none"> <li>• Yves Poppe, TATA Communications Director for Business Development and Strategy IP Services Global Carrier Solutions</li> <li>• Radwan Moussalli, TATA Communications Managing Director / Regional Head for Middle East &amp; N. Africa</li> </ul>
12:45pm - 01:30 pm	<b>Session 2: ASREN Strategic Plans</b> <ul style="list-style-type: none"> <li>• Dr. Yousef Torman, Director of JUNET (Jordan) The ASREN Strategic plan 2012-2015</li> <li>• Mrs. Aouaouche El-Maouhab, Director of Networks Division, ARN manager, CERIST (Algeria): Assuming and Building ASREN infrastructure</li> </ul>
01:30 pm - 03:00 pm	Lunch
03:00 pm - 04:00 pm	<b>Session 3: Panel Discussion: Applications and Achievement Enabled By Research Networks / User Perspectives. Chaired by Federico Ruggieri, INFN, Italy, EUMEDGRID-Support project.</b> Panellists: <ul style="list-style-type: none"> <li>• Giovanni Frisoni, Vice Scientific Director, IRCCS Centro San Giovanni di Dio FBF, Italian Centre for Alzheimer's and Mental Diseases - neuGRID/OutGRID/DECIDE projects</li> <li>• Amal El-Beshlawy, El Monira University Hospital, University of Cairo, Egypt - ITHANET project</li> <li>• Rajaa Cherkaoui El Moursli, University Mohammed V-Agdal, Academie Hassan II des Sciences et Techniques, Morocco, ATLAS project</li> <li>• Dr. Luigi Fusco , Department of Physics of Roma Tre, ESA/ESRIN Italy</li> <li>• Ashraf Hussein, Director, Higher Education Information Centre at Supreme Council of Universities, Ministry of Higher Education, Egypt Council of Universities, Ministry of Higher Education, Egypt</li> </ul>
04:00 pm - 04:15 pm	Coffee break
04:15 pm - 05:15 pm	<b>Session 4: Session 4: NREN Perspectives. Panel Discussion Chaired by David West (DANTE)</b> Panellists: <ul style="list-style-type: none"> <li>• Enzo Valente (GARR, Italian NREN)</li> <li>• Dany Vandromme (RENATER, French NREN)</li> <li>• Redouane Merrouch (MARWAN, Moroccan NREN)</li> <li>• Badr Hubais (ANKABUT, United Arab Emirates NREN)</li> </ul>
05:15 pm	Closing remarks by ASREN Chairman H.E. Dr. Talal Abu-Ghazaleh
6:30 pm - 8:00pm	Reception offered by H.E. Marc FRANCO, Ambassador / Head of European Union Delegation to the Arab Republic of Egypt , accredited to the League of Arab States – at the Marriot Hotel

## Launch of The Arab States Research and Education Network (ASREN)

Day 2: Thursday, December 9, 2010

09:00 am - 09:45 am	<p style="text-align: center;"><b>The ASREN Science and Research Committee Open Sessions Increasing Arab Researchers Collaboration and Impact through Advanced Networks and Services</b></p> <p><b>Session 1: Technology Providers Panel: Services and Solutions for Arab Researchers Chaired by Dr. Salem Al-Agtash, Ph.D.TAG.org Chairman's Senior Advisor on ICT and technology.</b></p> <ul style="list-style-type: none"> <li>• Panellists representing: TATA Communications, CISCO, ZAIN (Jordan), MICROSOFT MEA, OTEGlobe (Greece), HAYAT NET (Turkey).</li> </ul>
09:45 am - 10:15 am	Coffee Break
10:15 am - 11:45 am	<p><b>Session 2: ASREN Science and Research Committee Strategic Planning Chaired by Prof. Mubarak Mohamed Ali Magzoub, Secretary General, Federation of Arab Scientific Research Council</b></p> <ul style="list-style-type: none"> <li>• Introduction to ASREN Science and Research Committee Its Role and Strategic Objectives, by Yacine Khelladi, consultant for DANTE</li> <li>• Open debate and/or working groups : Identifying potential projects and activities to achieve Science and Research Committee strategic objectives</li> <li>• Agreeing on the ASREN Science and Research Committee Follow-up</li> </ul>
11:45 am - 01:15 pm	<p><b>Session 3 Cross-fertilisation and networking meeting with AROQA. Chaired by Dr. Saleh Hashem Secretary General of the Association of Arab Universities</b></p> <ul style="list-style-type: none"> <li>• Presentation of AROQA to ASREN users : by Dr. Salem Al-Agtash, Ph.D.TAG.org</li> <li>• Debate: how to cross fertilize research networking and academic excellence efforts</li> </ul>
01:15 pm - 02:30 pm	Lunch
02:30 pm - 04:00 pm	<p><b>ASREN Board meeting (ASREN shareholders and invited only); Chaired by HE Dr. Talal Abu-Ghazaleh</b></p> <ul style="list-style-type: none"> <li>• Strategic plan implementation approval,</li> <li>• Funding and finances, Secretariat hosting /HQ, CEO and staff hiring</li> </ul>
04:00 pm - 04:15 pm	Coffee Break
04:15 pm - 05:15 pm	<p><b>ASREN Technical Committee (ASREN shareholders and invited only)</b></p> <ul style="list-style-type: none"> <li>• Election of Technical Committee chair and Approval of agenda</li> <li>• Revision of proposed Technical Committee work plan: preparing the network and e-infrastructure Management Transition from DANTE to ASREN.: Tendering Connectivity, Expanding and reorganizing topology, Network Operation Centre, Capacity Building activities</li> <li>• Designation of working group leaders and their work plans for the next 6 months.</li> </ul>

## Biographies of chair and panellists



### **Amal El- Beshlawy**

Amal El-Beshlawy has been a professor of Pediatric Hematology at Cairo University Hospital since 1984. She was trained at the Necker Hospital Paris, France (1978-1979) and was awarded the following awards: Prize of the state for Excellence In Medical Sciences in 2002, Prize of Cairo University in Medicine in 2005 and the prize of Distinction in Medicine in 2008. Professor El-Beshlawy was the head of the Pediatric Hematology Department of Cairo University from 1989 to 2005 & senior consultant since then. She has been the president and the founder of the Egyptian Thalassemia Association since 1990. She is the editor for the JAMA Pediatrics Middle East and the peer reviewer of the EMHJ of the WHO (from 1998) & JPHO since 2007. Principal investigator, speaker bureau and member of the International Steering Committee for 3 major international drug companies (Novartis- Lipomed – Apopharma) (2004- 2010). Professor El-Beshlawy has been a scientific collaborator for The Thalassemia International Federation since 2000. She is the Egyptian partner for 2 EU FP6 projects (ITHANET (P14) and MedGeNet (P17)). Member of the International Committee and advisory board of Gaucher pediatric disease (2003 Paris & 2010 Barcelona). She has been an invited speaker for 52 International Conferences. She has 126 international (63) and national publications.



### **Ashraf Hussein**

Ashraf Hussein is a Professor of Scientific Computing at the Faculty of Computer and Information Sciences, Ain Shams University, Egypt. He obtained his B.Sc., M.Sc. and Ph.D. degrees in Aerospace Engineering from Cairo University, Egypt in 1992, 1996 and 1999, respectively. His research areas cover Modelling and Simulation, Computational Techniques in Science and Engineering, Computer Graphics and Visualization, and High Performance Computing (HPC) Applications.

Dr. Hussein had been a senior software engineer and subsequently a visiting scientist at the IBM Technology Development Center and the Center for Advanced Studies in Cairo for 15 consecutive years. In 2005, Dr. Hussein joined the Information and Communication Technology Project (ICTP), Project Management Unit (PMU), Ministry of Higher Education, as a management team member and has been involved in the development of the Higher Education and Research Network in Egypt. He led the Central Unit of IT Training from 2005-2009 and has been heading the National e-Learning Center since 2009. In early 2010, he was promoted to be the first director for the Higher Education Information Center, Supreme Council of Universities, Ministry of Higher Education.

Dr. Hussein is a professional member of the Association of Computing Machinery (ACM).



### **Aouaouche El-Maouhab**

She is leading Networks Division at CERIST working on information networks technologies, where she is involved in technical and project management aspects of a number of national projects as the research and academic network ARN and DZ e-Science GRID. Actual interests concern networks technologies (management, services, modelling ...), process management in complex environment and ICT for e-services (e-infrastructure, grid, e-library, e-learning, ...). She is the manager of Algerian NREN, ARN and Algerian NGI DZ e-Science GRID and participates to Eumedconnect and Eumedgrid projects.

## **Badr Hubais**

Dr Hubais is Users and International Relations Manager for ANKABUT



## **David West**

David West is the project manager at DANTE for the regional network projects EUMEDCONNECT2, TEIN3 and CAREN in the southern Mediterranean rim, Asia-Pacific and Central Asia, respectively. Since its inception he has lead and managed the EUMEDCONNECT programme, which has provided a regional research and education network for North African and Middle Eastern countries since 2004. He joined DANTE in 2001, after spending 15 years at BT where he was a senior manager responsible for a number of international product and business development programmes.

Mr West has extensive experience in the telecommunications field of managing and supporting new projects, and in establishing supplier and partner relationships. He is educated to postgraduate degree level and spent the earlier part of his career in the UK urban development industry.



## **Dany Vandromme**

Dany Vandromme has been a university professor since 1988 at the National Institute for Applied Sciences at Rouen, heading the Computational Fluid Dynamics Laboratory, a component of the National Center for Scientific Research. He has been director of the French Research and Education Network GIP RENATER since 1998. As director of RENATER, Prof. Vandromme works on evolutions of the public Internet for the research and education community in France and represents RENATER in the European NREN consortium in charge of the pan-European research and education network GEANT.

From January 2001 to December 2006, he served as member of the DANTE Board of Directors, including 3 years as Chairman of the DANTE Board. From December 2006 to November 2010, Prof. Vandromme has also been responsible for the coordination of Research Infrastructures at the General Directorate for Research and Innovation of the French Ministry of Research and Higher Education. During that period, he represented France within ESFRI and e-IRG.



## **Enzo Valente**

Enzo Valente has a degree in Physics from the Rome University "La Sapienza" and went in for the profession of researcher. During his career, he held several leading positions within national and international organizations in the field of Physics and Networking. In the last few years, he has been the director of the INFN-GARR and today he is the general manager of Consortium GARR. He has been involved in International Research Networking since its first steps and he is very active in promoting international collaboration in this field.



### **Federico Ruggieri**

Federico Ruggieri is an INFN (Italian Institute for Nuclear Physics) senior physicist and Director of Research. He spent most of his professional life working on On-Line and Off-line Computing Systems for High-Energy Physics experiments at CERN and at the INFN National Laboratory in Frascati. He promoted the first EC-funded GRID project, DataGRID, and started the Tier1 of INFN-CNAF in Bologna.

Dr. Ruggieri played an important role in the development of data-communication networks for research in Italy and in the establishment of GARR, the National Research and Academic Network. From 2006 to 2008 he led two EC-funded FP6 projects, EUChinaGRID and EUMEDGRID, and he is currently the coordinator of the EUMEDGRID-Support and CHAIN projects. Dr. Ruggieri is also Professor of Data Acquisition and Control of Experiments at the Department of Physics of the University of Roma TRE.

Dr. Ruggieri has authored over 340 articles and publications in the domains of physics, data acquisition and ICT.



### **Giovanni Frisoni**

Giovanni Frisoni is a clinical neurologist who holds a degree in Medicine from the University of Brescia, Italy. In 1991, he co-founded the Italian Centre for Alzheimer's Disease at the IRCCS Sacro Cuore Fatebenefratelli Hospital in Brescia, where he has been Head of the Psychogeriatric Ward since 2005.

Over the past 20 years Prof. Frisoni's scientific interests have encompassed clinical neuroimaging of Alzheimer and other cognitive disorders. He has authored over 280 scientific papers on this very subject. Prof. Frisoni is the Imaging Section Editor of 'Neurobiology of Aging' and an Editorial Board Member of 'The Lancet Neurology'. He is the coordinator of the EC-funded FP7 neuGRID project, which aims at establishing a European e-infrastructure for computational neuroimaging.



### **JJ Jamison**

JJ Jamison is a Vertical Solutions Architect in Cisco's Emerging Markets - Public Sector Group where he works with Higher Education customers on National Research & Education Network (NREN) development efforts. Before joining Cisco, JJ held a similar position at Juniper Networks. He has also worked for the University of Illinois as the Lead Engineer on the STAR TAP International NREN Meet Point project and at MCI as the Engineering Manager for the National Science Foundation's vBNS program.



### **Luigi Fusco**

Luigi Fusco has been with ESA since 1974. He has been involved in international cooperation and in the planning and management of projects dealing with different aspects of Earth Observation (EO) payload data systems, EO applications and related innovation technologies. For the last few years, he has been leading ESA's participation in the development and utilisation of GRID,

Open GIS, emerging Web-based and e-collaboration technologies for EO and environmental applications throughout ESA, EC and Italian (Lazio Region) funded projects.

He is the coordinator of the FP7-funded GRID-based Research Infrastructure Project GENESIDR (Ground European Network for Earth Science Interoperations – Digital Repositories) and led various other GRID-related projects in the past.

As part of the ESA Technology Transfer Programme, Dr. Fusco is currently leading the ESA Business Incubation initiative in Italy to support the transfer of space-related technologies to other domains with the involvement of SMEs (Small and Medium Enterprises) start-ups and research centres spin-off. Dr. Fusco has published papers in various international journals and conferences. He participates in the evaluation and review of EC-funded projects in the space and environment domains. He was nominated Senior Advisor in ESA in 2000.



### **Raja Cherkaoui El Moursli**

Raja Cherkaoui El Moursli is a Professor at Mohammed V University of Rabat, Morocco. She is responsible for the nuclear physics laboratory at the Faculty of Science. Prof. Cherkaoui is also a corresponding member of the Moroccan Academy of Science. It is thanks to her and other colleagues that Morocco officially participated in the ATLAS project at CERN. She is also a member of RUPHE (Moroccan High Energy Physics Network). Prof. Cherkaoui is the founding member and vice-president of both the Nuclear Engineers Association of Morocco (AIGAM) and the Moroccan Radiation Association (AMR). Mrs Cherkaoui is a training expert of the International Atomic Energy Agency (IAEA). Professor Cherkaoui is a co-author of about 60 international publications.

She graduated from Joseph Fourier University in Grenoble, France, where she also got her doctorate in physical sciences. Her first research activities were led at the Laboratory of Subatomic Physics and Cosmology in Grenoble.



### **Radi El Fassed**

Mr. Radi El Fassed is currently the Enterprise Solutions Director at Zain Jordan. In this role he is responsible to develop ICT products and services that serve the Enterprise and Government sectors. He has 15 years experience in the international Telecommunications industry and previously worked for Palestinian Telecom Group as Marketing Director and has held various Product management and Business Development roles at AT&T and Lucent Technologies Europe Middle East and Africa. During his career he was involved in proposals and designs of various NREN networks like Surfnet (Netherlands), DANTE (Europe) and EUMEDCONNECT. Radi has a MSc. in Applied Physics from Delft University of Technology in the Netherlands.



### **Radwan Moussalli**

Radwan Moussalli is the Managing Director and Regional Head for Middle East and N. Africa Region for Global Data, Mobility Services and Global Voice Solutions for Tata Communications, part of the \$62.5 billion Tata Group. In this position, he is responsible for all Global Data, Mobility Services and Global Voice Solutions for the Middle East and N. Africa Region. In his current role, Mr. Moussalli has positioned Tata Communications as one of the leading telecommunications providers and partners in the region by creating several partnerships and initiatives and projects in the region in various areas, such as new submarine cable project in the Gulf region, IP regional JV Nodes, as well as MPLS and Ethernet PoPs.



Mr. Moussalli has over 25 years of telecom experience with emphasis in the Middle East & North Africa region. Prior to his current position at Tata Communications, Mr. Moussalli was Teleglobe's Managing Director for Middle East and North Africa region responsible for the company's commercial and marketing activities in the MENA region, where he played an important and essential role in creating and forming strategic partnerships with major local and regional carriers for IP and other value added services, which resulted in acquiring considerable market share in the region and positioned the company as one of the major players in the region. Teleglobe was acquired by Tata Communications in February 2006.

Prior to Teleglobe, Mr. Moussalli has held senior positions at Sprint International, Global One and DEC (Digital Equipment Corp.) in the MENA region. He has been a member of the board of the Canadian Business Council in Abu Dhabi – UAE for several years.



### **Redouane Merrouch**

Redouane Merrouch is the head of the Moroccan National and Academic Network (MARWAN). He is also responsible for the National Grid Computing Infrastructure in Morocco (MaGrid).

He represents Morocco in the EUMEDCONNECT2 project.

Dr Merrouch's main interest and activity is in computer networking for the R&D community. Dr. Merrouch holds a Ph.D. in Physics from Caen University, France.



### **Salem Al-Agtash**

Salem Al-Agtash has obtained his Ph.D. in Electrical Engineering from the University of Colorado in 1998. He is currently an associate professor at Yarmouk University in Jordan and the senior advisor on ICT and Technology to the Chairman of Talal Abu-Ghazaleh Organization. Dr. Al-Agtash has extensive experience in the areas of research, education, and development. During the past 10 years, he has managed diverse development programs in ICT, education and development projects with leading international agencies including USAID, JICA, World Bank, EU-TEMPUS as well as with national governments. His technical experience spans Energy, Software systems, Industry partnerships, and Innovations, and ICT. Dr. Al-Agtash's ICT assignments, have included software design & architecture in eGovernment applications, information management systems, and ICT infrastructure. He has taken a special interest in his career to developing relevant and quality ICT education, research advancement, and strengthening tri-partite links between university, private sector and government, and in building international cooperation.



### **Yousef Torman**

Yousef Torman is The Executive Director of the Jordanian Universities Network (JUNet), which provide Jordan's National Research and Education Network. He is a member of many national committees and initiatives that focus on research and education. The main focus of Yousef role is to promote and encourage the use of technology and networks for research and education. He also co-established and managed the Computer and Information Center at Jordan University of Science and Technology (JUST); one of the largest Universities in the region with focus on science and technology. Yousef has played a prominent and key role in the efforts and initiatives that aim to establish a Pan Arab regional network for scientific research since more than 5 years.



### **Yacine Khelladi**

Yacine Khelladi is an Development Economist and International Consultant, in particular in the field of Information and Communications Technologies for Development (ICT4D). He graduated in Economy and Business Management at the French University of la Sorbonne in 1991. He started working in 1994 on the development of the early Research Networks Latin America and the Caribbean, and since worked in more than 30 countries for numerous international cooperation organisations and development agencies. He heads a non for profit Foundation dedicated to appropriate technologies for grassroots communities development.

Since January 2010 he is collaborating with DANTE, EUMEDCONNECT2 project facilitating the process for the creation of ASREN.



### **Yves Poppe**

Yves Poppe is the Director, IP Business Development and Strategy for Tata Communications, a member of the \$62.5 billion Tata Group.

Mr. Poppe has over 35 years of experience in the data communications industry. Representing Teleglobe on the Canarie (Canadian R&E network), Policy Board, Mr. Poppe supported the early deployment of high speed intercontinental R&E connections and next generation internet protocol IPv6 efforts. Tata Communications (formerly VSNL), acquired Teleglobe in February 2006.

Mr. Poppe represents the Corporation at the IPv6 Forum and is steering committee member of the North American IPv6 taskforce.

Mr. Poppe represents Tata Communications in Research and Education Networking including TERENA, Internet2, Canarie and APAN. He is a frequent presenter on the evolution of telecommunications, the internet and the key role of IPv6. He also regularly covers the evolution of subsea communication capacity and international telecommunications at sessions of TEMIC (Telecommunications Executive Management Institute of Canada).

## Platinum Sponsor

### TATA COMMUNICATIONS

An expert in emerging markets, Tata Communications has been investing heavily in infrastructure to connect emerging markets to the world, and has been very active in the MENA region since 1996. Today, Tata Communications is a leading player in the carrier wholesale and enterprise market in the region, providing various voice and data services to many carriers (incumbents and emerging).

One of the core values of Tata Group, is its historical commitment to Research and Education going back to the foundation of the first Indian Institute of Sciences in 1911 and later on the Tata Memorial Hospital and the Tata Institute of Fundamental Research (TIFR) in Mumbai. Commitment to R&E is global, encouraging and contributing to connectivity between national and regional R&E networks on all continents. Particular attention is given to emerging countries as the best guarantee for economic growth and prosperity in a global knowledge economy is to provide the younger generation access to global research and global education.

Tata Communications' offerings include the following:

1. Wholesale Voice Services:
  - Among the top three largest wholesale voice carriers globally
  - TDM and Voice IP Internet connection for different Quality Of Service terminations to any country around the world
  - Mobile direct, CLI, ITFS, Number Portability, SIM Bypass Detection
  - Direct interconnection with all MENA carriers
2. Mobility Services:
  - Signaling Connectivity: SCCP and STP
  - Wireless Global Roaming: WGR
  - Intelligent Routing Service: IRS
  - Managed Roaming Services: MRS
  - Intelligent CAMEL Exchange: ICX
  - Connectivity to RIM for the Blackberry Services
3. Wholesale Data Services:
  - IPLC Connectivity Services
  - Ownership in regional consortium cables: SMW-3, SMW-4 and IMEWE
  - Own cables in the region - TGN-Eurasia and TGN-Gulf Cable (planned)
  - On-Net Direct Connectivity to the US and Europe from Marseilles onwards in the West and Mumbai onwards in the East to India, Asia and Australia
  - On-Net Direct connectivity to West and East Africa
  - Internet Connectivity Services: Tier-1 Internet connectivity using Tata Communications Tier-1 network with AS 6453
  - Availability of Tata Communications IP Nodes in the region in partnership with carrier partners in Saudi Arabia and Egypt
  - Outsourcing and Transformation Services (TCTS) for Network Provisioning, Network Management and Deployment
4. Enterprise Data Services:
  - Direct MPLS coverage to GCC countries, Egypt and Morocco
  - Direct Pure Layer Global Direct Ethernet (GDE) coverage in several GCC countries
  - Availability of IP Sec over the Public Internet (VNO) in most MENA countries
  - Telepresence Public rooms available globally and in-region using carrier partners
  - Managed Data Center and Managed Security Services available globally and being offered locally through carrier partnerships
  - Content Distribution Nodes (CDN) available globally
  - Hosted Contact Center solutions
  - SAAS solutions such as Sugar CRM

The company has offices in Abu Dhabi and Dubai in the UAE. To know more, you can contact Tata Communications' MENA office in Abu Dhabi on +971 2 6266223.

Or go to: [www.tatacommunications.com/contact/](http://www.tatacommunications.com/contact/)

Or email to: [contact\\_form@tatacommunications.com](mailto:contact_form@tatacommunications.com)

## Gold Sponsor



Cisco Systems, Inc. is the worldwide leader in networking for the Internet. Today, networks are an essential part of business, education, government and home communications, and Cisco Internet Protocol-based (IP) networking solutions are the foundation of these networks. Cisco hardware, software, and service offerings are used to create Internet solutions that allow individuals, companies, and countries to increase productivity, improve customer satisfaction and strengthen competitive advantage. The Cisco name has become synonymous with the Internet, as well as with the productivity improvements that Internet business solutions provide. At Cisco, our vision is to change the way people work, live, play and learn.

Cisco was founded in 1984 by a small group of computer scientists from Stanford University. Since the company's inception, Cisco engineers have been leaders in the development of Internet Protocol (IP)-based networking technologies. This tradition of IP innovation continues with industry-leading products in the core areas of routing and switching, as well as advanced technologies.

Today, with more than 34,000 employees worldwide, Cisco remains committed to creating networks that are smarter, thanks to built-in intelligent network services; faster, in their ability to perform at ever-increasing speeds; and more durable, with a generational approach to an evolutionary infrastructure. In the Middle East, Cisco has two management hubs in Cairo and Dubai, covering the North Africa, Egypt and Levant and GCC regions respectively. Cisco is committed to delivering differentiated value to customers and partners through its unique product and service offerings, while closely mapping products and services to its customers' needs and priorities-such as productivity, cost savings, return on investment, and standard of living improvements.

In addition to hardware and software products, Cisco provides a broad range of service offerings to its clients, including award-winning technical support and advanced services. Cisco sells its products and services-directly through its own sales force and indirectly through a network of channel partners-to large enterprises, small and medium-sized businesses, service providers, and consumers. Cisco focuses on three broad areas to guide its business growth: core technologies, routing and switching; the service provider market; and Advanced Technology markets.

Cisco has long been recognized as a pioneer in using the Internet for its own business practices, offering consulting services to help other organizations around the world through its Internet Business Solutions Group. In the 2003 fiscal year, Cisco saved US\$2.1 billion by relying on the Internet to provide customer support, offer employee services, sell products, provide training, and manage finances and manufacturing processes. Each year, Cisco introduces new applications, enhances existing applications, and increases adoption of these applications across the company, which results in an incremental return on investment year-after-year.

Cisco was founded on a culture based on the principles of open communication, empowerment, trust, integrity, and giving back to the community, and these same values thrive at Cisco today.

The company focuses on three areas of corporate philanthropy: providing basic human needs, access to education, and responsible citizenship. This past year, Cisco supported important community efforts such as the American Red Cross and the Second Harvest Food Bank, as well as global initiatives, including co-sponsorship of the Jordan Education Initiative. Cisco employees also continued to be active in the community through the Cisco Foundation, Civic Councils and the Cisco Leadership Fellows Program.

To help foster access to education and professional opportunities around the world, the company has founded the Cisco Networking Academy Program, dedicated to providing students with the education and resources they need to design, build, and maintain computer networks. By combining education and the Internet, Cisco Networking Academies help students around the world acquire the necessary skills for IT-related jobs and for higher education in engineering, computer science, and related fields-and ultimately, aid in the development of their countries and their local economies. Now in its sixth year, the program has more than 10,000 academies in 152 countries.

## Gold Sponsor



Zain was established in Jordan in 1995, to be the first to introduce the mobile phone service to Jordan. It has gained wide reputation at regional level as the most sophisticated and dynamic telecommunications company, and the most receptive to new technologies and deployment of innovative services. Since its inception, Zain has expanded its customer base raising the number of its subscribers today to more than 2.6 million subscribers. The company offers its services through more than 1,700 cellular stations with a coverage extended over the entire populated area in Jordan.

In conjunction with its investment in the latest technologies and services that enrich the lives of its customers, Zain has also developed the most active and most influential corporate social responsibility programs in the Kingdom through supporting education, health care, youth and sports.

Early 2003, the majority stake in the shares of Zain of Jordan was transferred to Zain Group of Companies in what was seen as the largest single acquisition in the Middle East and the largest private sector investment in Jordan.

## Silver Sponsor

**Microsoft®**

Established in the kingdom in 2001, Microsoft has made impressive progress since its launch, founding close working relationships with 280 private companies in the IT and Communications Sectors to help them boost their competitiveness and grow. In order to achieve that Microsoft offers its partners programs which enable them to build their capacity, gain knowledge on Microsoft's new products and services, and transfer experience through Microsoft's experts. Microsoft Jordan is a leader not only in bringing innovative new technologies to the Jordanian market but also in its commitment to corporate social responsibility, playing a key role in developing local information and communications technology skills and capabilities.

## Sponsors



Headquartered in Athens Greece, OTEGLOBE is the international wholesale arm of OTE, the Greek incumbent and the strongest telecommunications Group in SE Europe. The company has grown to a regional hub delivering a complete portfolio of transport, voice, corporate and mobile services to int'l carriers, fixed & mobile operators, and multi-site organizations.

OTEGLOBE is the only carrier, in the broader Balkans region, which reaches Western Europe through Greece with two fully owned geographically diverse dual-path, multi-wavelength networks, the GWEN and the TBN, while it also operates an IP/MPLS network (MSP) with presence in the main telecom hubs in Europe.

Overall, the majority of Greek, as well as a significant share of South East European broadband volume and international voice traffic, are routed through OTEGLOBE's Networks. Voice traffic is routed through digital TDM switches, while the majority of the traffic is routed with the use of carrier grade VoIP technology.

By capitalizing both on its geographic position and extensive and diverse network footprint, along with its strong corporate presence in SE European region, OTEGLOBE is becoming a diverse, reliable gateway which connects Middle East & North Africa with Europe through Greece.



Hayat NET was incorporated in 2007 by targeting to transfer its experience in virtualization and datacenter technologies to cloud computing.

Hayat NET is the first who has implemented "Cloud Services" concept out of USA.

Hayat NET who has acquired Meteksan Net in 2009 and TR Net which is first service provider of Turkey in 2010 has become a service provider reaching more than 1000 customers.

HayatNET aims to be a service provider leader in EMEA region.

It provides operating services with its branch offices in Istanbul, Ankara and Astana (Kazakhstan).

In 2011 Hayat NET will be providing services in Azerbaijan, Iraq and Afghanistan.

Seating on a surface area of 2200-sqm in Istanbul, Data Center was built on a fully back-up design and elaborated to offer 7/24 service in 365 days of the year. The size of the system room accommodated by the Hayat NET premises in Cyberpark, Ankara is 450 sqm. The system room is equipped with a 3x300-KVA UPS support and 4x180.000-BTU cooling system.

### SERVICES

- Cloud Services (IaaS, PaaS, SaaS)
- Business Continuity and Disaster Recovery
- Cage Space
- Colocation
- Tier 1 Access
- Integrated Communication Services
- Enterprise Secure
- E-mail hosting
- Corporate Virtual Network
- Network Security Services
- Websites & Portal Hosting Services

[www.hayatnet.com](http://www.hayatnet.com)

## The Arab States Research and Education Network (ASREN)



### About ASREN

The Arab States Research and Education Network (ASREN) is the association of the Arab region National Research and Education Networks (NRENs) and strategic partners, that aim 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. It will be a registered, nonprofit legal entity owned by the Arab National Research and Education Networks NRENs and Science and Research partners..

### Vision

ASREN will establish an Arab Regional Network to interconnect existing Arab National R&E networks (NRENs) with each other and to their counterparts across the globe, and will act as a catalyst for e-Infrastructures in Arab countries where they are not yet available.

ASREN will thus support pan-Arab collaborative research and education projects and activities, and will contribute to boosting scientific research, innovation and education across the Arab world by increasing efficiency and productivity of research and education communities.

### ASREN Strategic Objectives

The objectives of ASREN are defined as:

- **To build, maintain and consolidate regional e-Infrastructures dedicated to e-Science and education across the Arab Countries, by**
  1. Developing, managing and operating a regional network that Interconnect the NRENs of the Arab Countries
  2. Promoting harmonization of policies and standards in relevant areas at regional level.
  3. Advocating at the regional level amongst decision makers and stakeholders
- **To contribute to create and sustain National Research and Education Networks (NRENS) by**
  1. Supporting them to implementing leading-edge technological solutions while pursuing cost-effectiveness
  2. Favouring the exchange of expertise and best practices amongst the NRENs' personnel in the Region
- **To facilitate the collaboration and cooperation among the researchers and academicians in the Arab region by:**
  1. Increasing the availability and accessibility of knowledge resources for students and researchers
  2. Promoting the development of Arabic contents and their availability
  3. Facilitating knowledge exchange and transfer processes across the region and with relevant partners in Europe and worldwide
  4. Promoting the adoption and usage of e-Infrastructures and services among the scientific community, also through training and tutoring activities
  5. Strengthening regional partnerships and encouraging joint scientific research at all levels.

### ASREN core functions

#### The core functions of ASREN are related to

- **Interconnection:** Interconnect the NRENs and managing technical and financial resources to manage the regional network infrastructure
- **Network management of regional network:** that includes design topology, tendering and managing NRENs interconnection, monitoring traffic and providing technical support and training to member (NRENs), etc
- **Commercial and financial management of regional network,** as managing contracts with network suppliers managing agreements for collecting funds from NRENs, managing contracts with funding organizations or

- agencies and conducting advocacy activities
- Developing Regional guidelines as for security policy or interoperability of services and protocols for supporting applications

### ASREN Support Functions

These equally important support functions are related to develop the use and impact of the infrastructure, promoting content and usage development through the establishment the Research Gateway (Portal) and enabling cross national networks use of research and educational resources available. Also includes promotional activities to promote collaboration in research and education community, encourage and support the joint projects, sensitize decision makers on the research networking usefulness, develop support groups of practice, research and education communities, and promote cross network cooperation in electronic services, applications and e –services. Also ASREN will develop NREN development support actions, by encouraging and supporting establishing sustainable NRENs, organising training and developing technical capacities to operate these networks, among other.

### Partners supporting ASREN creation

- European Commission through ENPI funding
- DANTE (UK) that implements the EUMEDCONNECT2 project
- Talal Abu-Ghazaleh Organization (TAG-Org)
- The League of Arab States that endorsed the creation of ASREN

### EUMEDCONNECT2 Partners

The EUMEDCONNECT2 project is co-ordinated by DANTE, a not-for-profit organisation that also operates regional networking projects in other parts of the world. DANTE is partnered by five European national research and education networks (NRENs) that border the Mediterranean. The southern and eastern Mediterranean partners of EUMEDCONNECT2 are Algeria, Egypt, Jordan, Morocco, Palestine, Syria and Tunisia. They are represented by their NRENs. Other NRENs in the Mediterranean region can collaborate with EUMEDCONNECT2 partners via their direct GÉANT links.

### Southern and Eastern Mediterranean Project Partners



Al Quds Open University



EUN-Egyptian Universities Network



ARN Algerian Research Network



JUNet – Jordanian Universities Network



MARWAN - Moroccan Academic and Research Wide Area Network



BZU University



CCK



SHERN – Syrian Research and Education Network

### European Project Partners



CYNET



Consortium GARR



GRNET



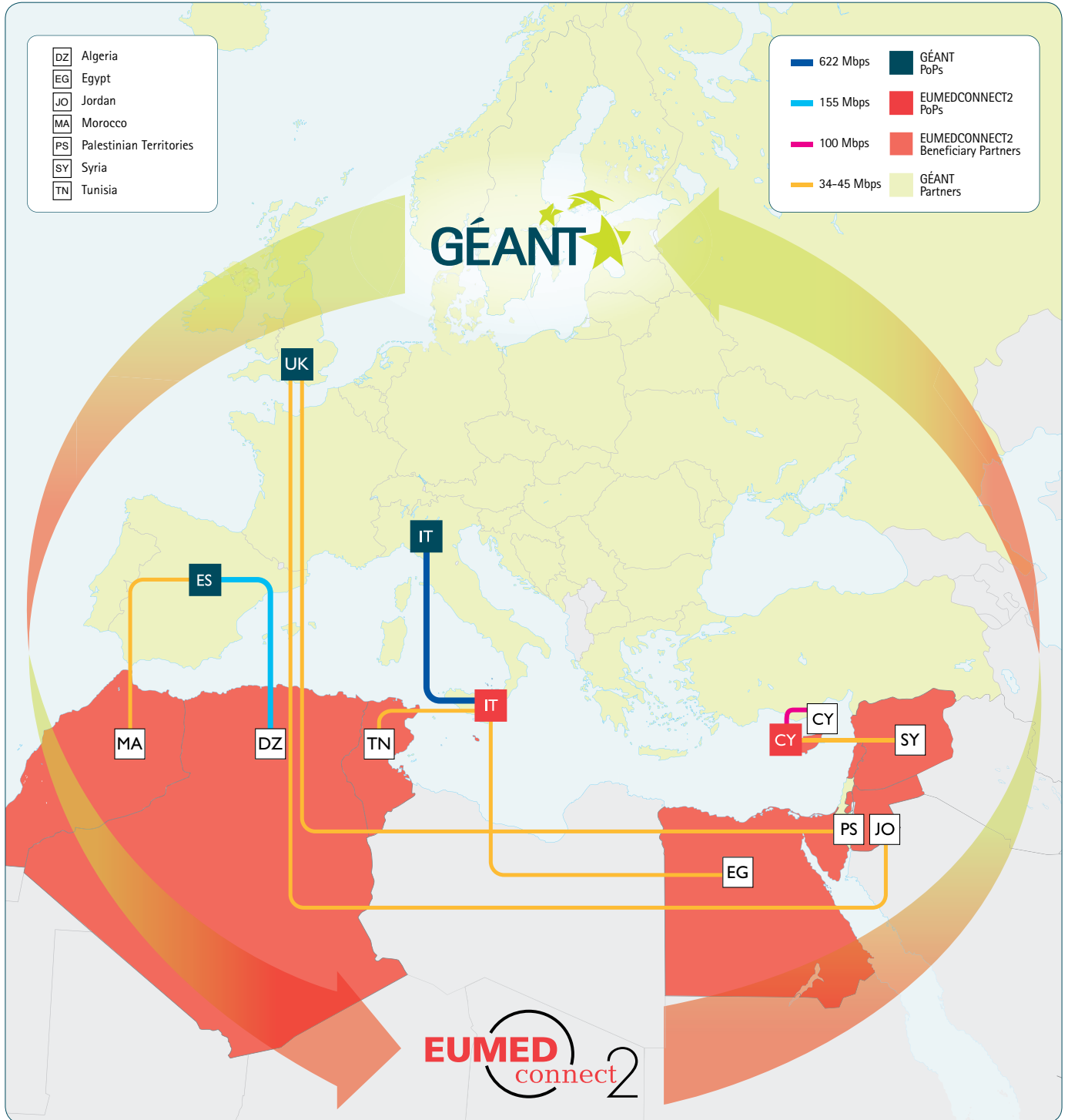
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