

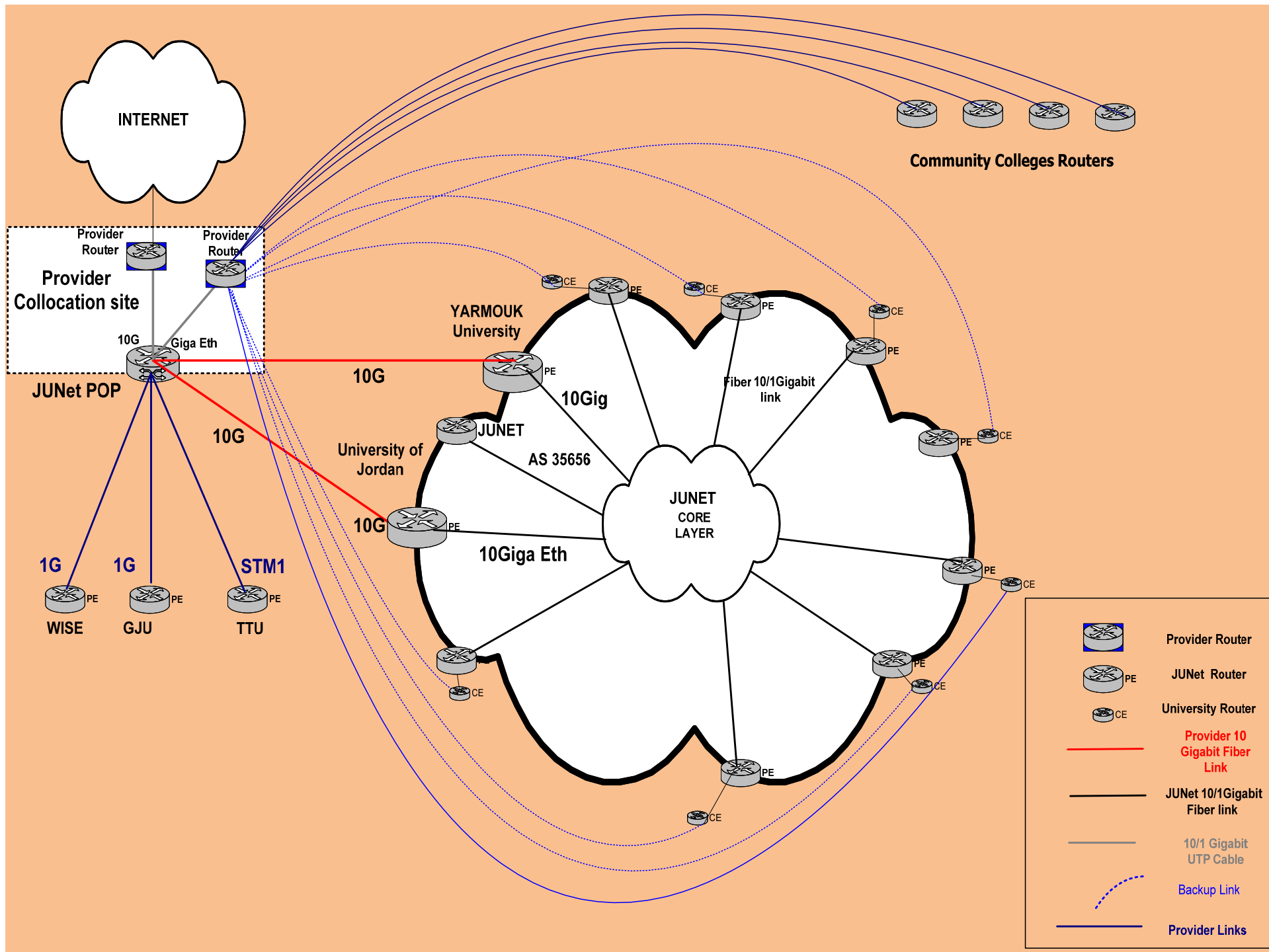
***JUNet & ASREN Update  
Internet2 Middle East SIG Meeting  
eAGE2011 Meeting  
Amman, Jordan***

*12-13 December 2011*

**Yousef Torman,**  
*Executive Director, JUNet*

## National Efforts (*Jordan*)

- The Jordanian National Broadband Network NBN is a national program to use dark fiber to connect around 3200 schools, 10 Universities and around 110 Public Access Sites
- The Jordanian Universities Network (JUNet) is the official NREN of Jordan, currently connecting 11 University sites via optical fiber, with 1Gbps each
- 18 Community Colleges are also using this network at lower speeds using the operators circuits
- 14 Private Universities and 6 research institutes are planned to be connected to JUNet this year
- JUNet is the Jordanian partner for EUMEDCONNECT and EUMEDGRID and other regional cooperation projects
- JUNet is working on promoting the use of technology for research and collaborative research.



# JUNet Services and Activities

- Consolidation of Internet service
- License Consolidation through signing one agreement with software and services providers on behalf of all Universities
- Integrated Library Management system to serve all libraries in all Universities through one center and one unified system: the
- Consolidated Access to Journals and Periodicals by having one subscription for all Universities
- Video Conferencing Network and services
- Connection to the Pan European Network GEANT under the EUMEDCONNECT Project
- Unified email service for all Universities' students
- Conducting specialized workshops, seminars and training sessions
- Promoting the use of technology in research and encourage research collaboration and joint research projects.
- Partnering with EC projects: EUMEDGRID, EPIKH, LinkSCEEM, CHAIN...

**The only regional network in the Arab Mediterranean Countries**

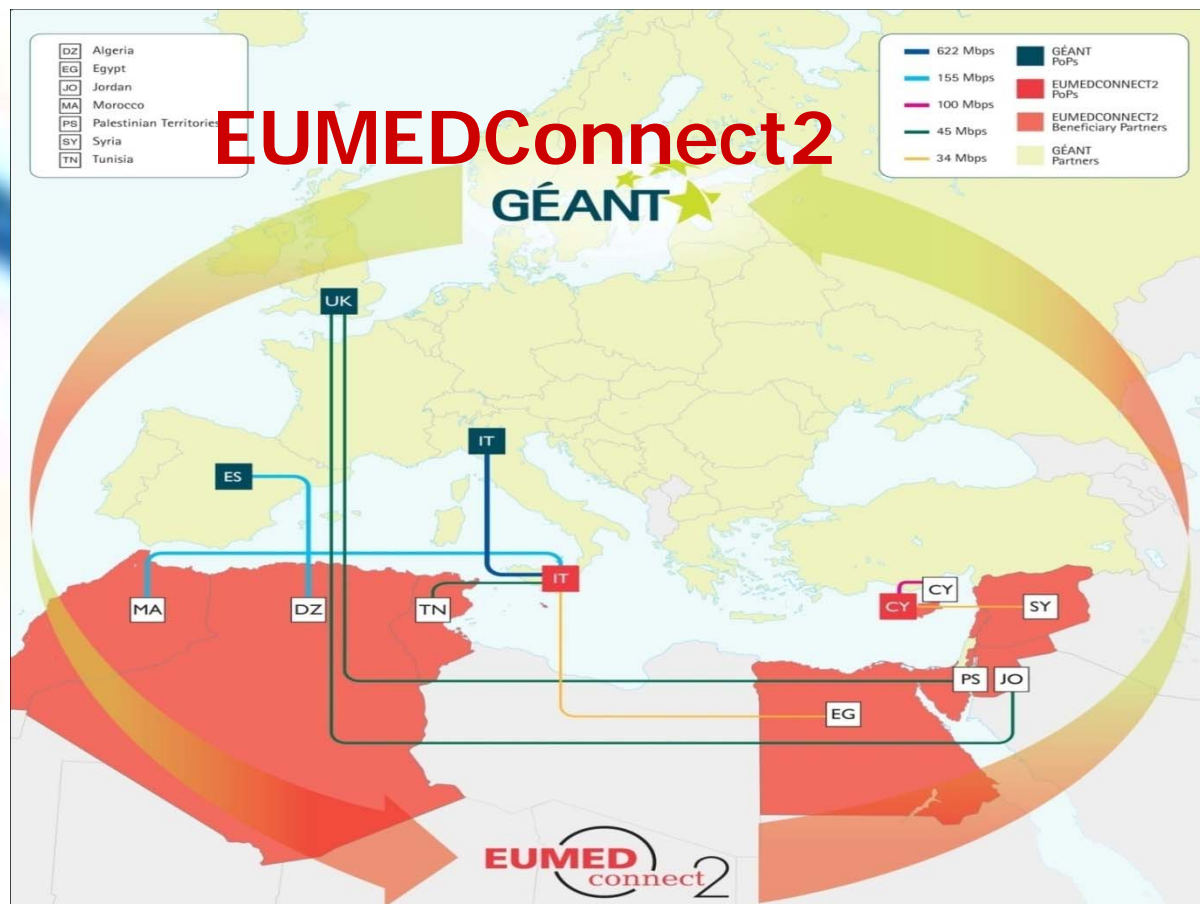
**A Euro-Med success story**

**Connects ~2m users at ~700 institutions among each other and with their peers in Europe and beyond**

**Directly connecting Algeria, Egypt, Jordan, Morocco, Palestine, Syria and Tunisia**

**Linking Mediterranean and European partners via GÉANT**

**Jointly funded by the EC and the MED partners to reduce the digital divide**



**EUMEDConnect3**  
**Will be further (Partially)**  
**funded by the EC for**  
**additional 3 years**





The EUMEDGRID Support Project



Coordination and Harmonization  
of Advanced e-INFRASTRUCTURES



Exchange Programme to advance  
e-INFRASTRUCTURE Know-How



Linking Scientific Computing  
in Europe and the Eastern  
Mediterranean

# Regional Efforts, historical background

- **PAN Arab Network, 2005**

- Initiated by MoICT of Jordan to study the feasibility of using the power distribution grid network to build a PAN Arab network. The study was sent to the League of Arab States.....

- **Rome Declaration 2006**

- The Arab MED NREN managers signed a declaration in Rome to work on establishing a consortium to take the responsibility of creating an Arab Med Network...

- **NAP, the Network Access Points 2007**

- A business initiative to build Internet exchange points for the Arab region....

- **CAMREN 200?**

- Was proposed as an action for the Rome Declaration....

Arab States Research and Education Network



المنظمة العربية لشبكات البحث العلمي والتعليم

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

**ASREN is the association of the Arab region NRENs and strategic partners.**

**Promoting world-class Pan-Arab e-Infrastructures and E-services for the Research and Education communities to boost Scientific Research and regional Cooperation**



**“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.”**

**H.E. Amro Moussa**

**Secretary General of the Arab League**



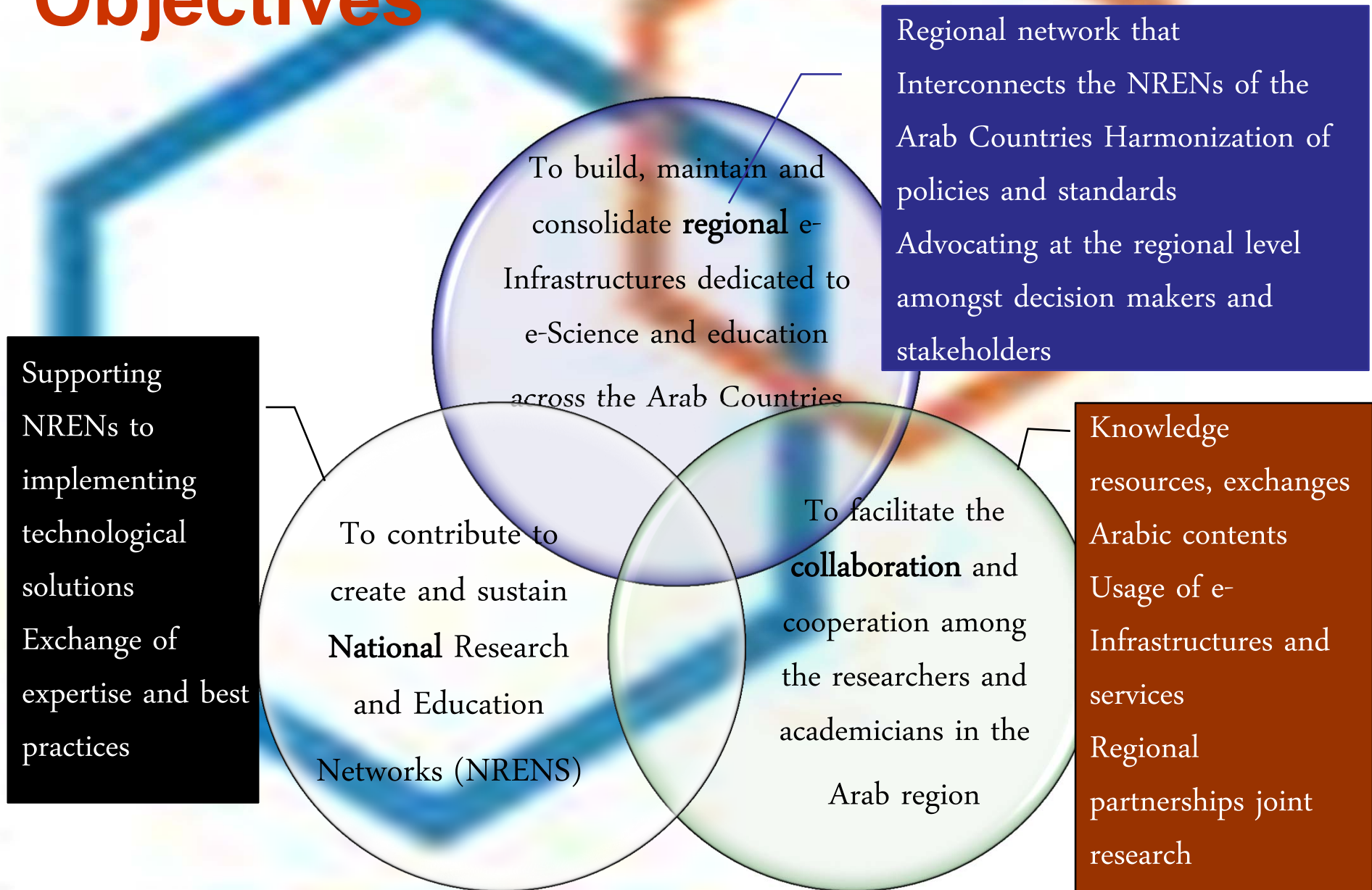
**“Investing in e-Infrastructures will advance inter-Arab research and education and promote cooperation with Europe and the World”**

**H.E. Talal Abu-Ghazaleh, Chair of UN  
Global Alliance for ICT and Development (GAID)**

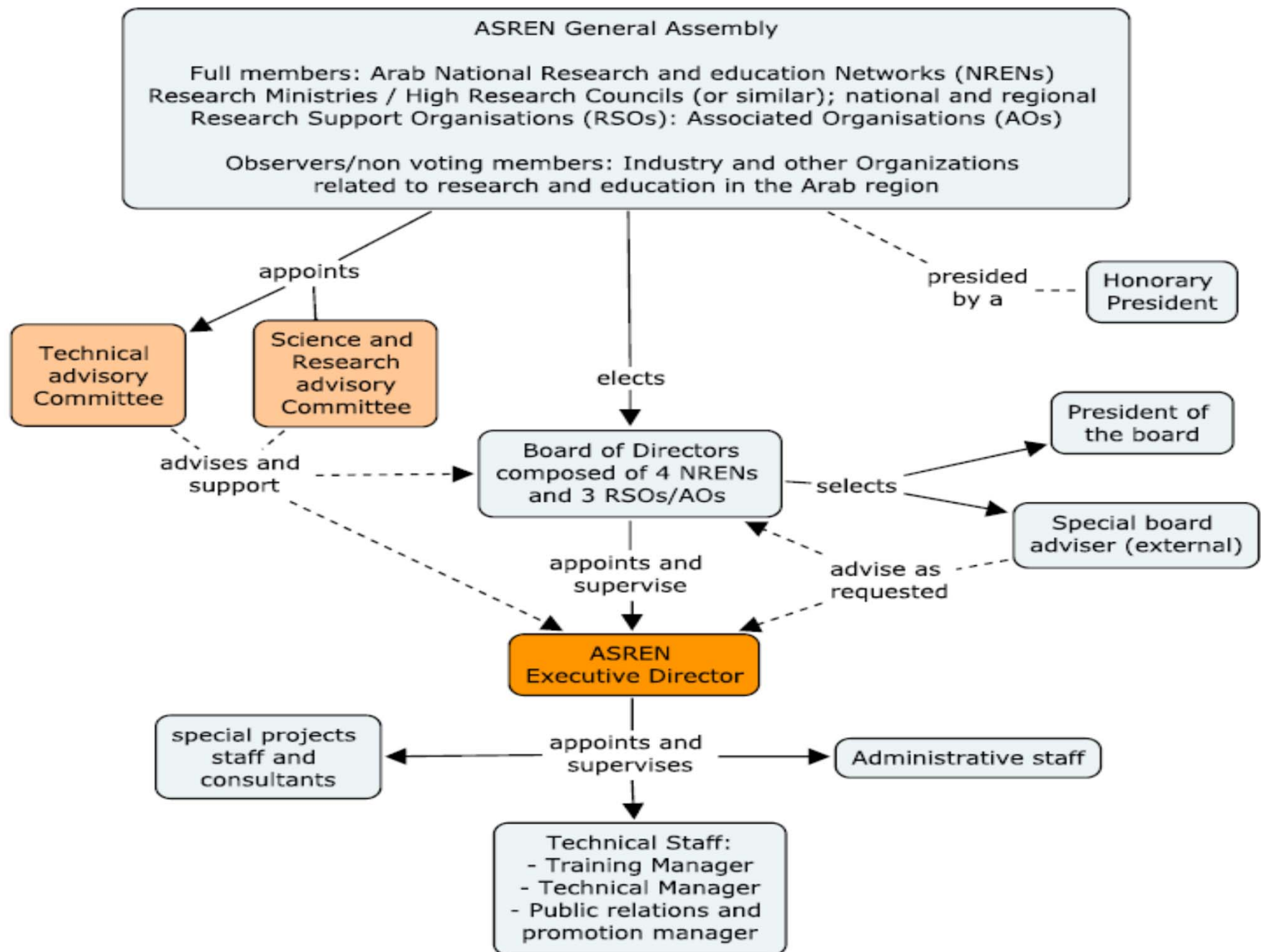
# ASREN: Vision and Mission

- **Vision Statement:** 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 statement:** 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.

# Objectives









# ASREN Functions

## Core Functions

### Interconnection

(NRENs interconnection, Network operations center, technical/ financial resources)

### Network Management

design topology, tendering and managing NRENs interconnection, monitoring traffic and providing technical support and training to member (NRENs)

### Commercial Management

Managing contracts/ agreements with network suppliers/ NRENs funds , funding agencies and conducting advocacy

### Interoperability

Guidelines for security policy/ interoperability of services and protocols for supporting applications

## Support Functions

Cloud computing, Content, elearning resources, eLibrary, Research,

# One Year of History (2010)

- Proposed in Cairo, January 2010, by JUNet and TAG during the EUMEDCONNECT2/EUMEDGRID Support Meetings.
- Announced in Brussels by H.E. Talal Abu Ghazaleh, March 2010 During the 3<sup>rd</sup> EUMEDEVENT.
- Planning meetings were conducted during the EUMEDCONNECT2/EUMEDGRID Support meetings in Algeria (July 2010) and Rome (November 2010)
- Launched in the League of Arab States in Cairo under the Patronage of HE Amre Moussa, December 2010. and Chaired by HE Talal Abu Ghazaleh

# ASREN Launch Meeting Achievements

- ASREN was launched under the patronage of HE Amre Moussa who also accepted to be Honorary Chair.
- The event was attended by high-level participants from the European Commission (EC), Turkey, Italy, UK, USA, France, and representatives from most of the Arab countries including the Gulf.
- Many Arab countries and organizations signed statements of support to ASREN with intention to support its' development.
- Positive signs were perceived about the financing of EUMEDCONNECT3.
- High-level participation from the private sector was also an excellent sign indicating that there will be good opportunities for partnership with the private sector and researchers.



## **A statement of support to ASREN signed by:**

- 1. HE Senator Talal Abu-Ghazaleh, TAG-Org, Jordan**
- 2. HE Prof. Mubarak M. A. Magzoub, Federation of Arab Scientific Research Council (FARSC), Sudan**
- 3. HH Taimur A. Al Said, The Research Council (TRC), Oman**
- 4. HE Ersat Hurmuzlu, Senior Advisor to the President of Turkey, Turkey**
- 5. HE Prof. Saleh Hashem, Association of Arab Universities (AUA), Jordan**
- 6. Prof. Ali Zaidan Abu Zuhri, Ministry of Education and Higher Education, Palestine**
- 7. Badr Hubais, Khalifa University, Emirate Advanced Network for Research & Education, ANKABUT, UAE**
- 8. Prof. Ashraf Hussein, Supreme Council of Universities, Egypt**
- 9. Dr. Iman Abdelrahman, Sudanese Universities Information Network, SUIN, Sudan**
- 10. Dr. Abdullah Al-Subyani, Arabian Knowledge Economy Association, KSA**
- 11. Redouane Merrouch, Moroccan Academic and Research Wide Area Network (MARWAN), Morocco**
- 12. Yousef Torman, Jordanian Universities Network, JUNet, Jordan**
- 13. Dr. Sherif Gad, Arab Federation for Quality, Jordan**
- 14. Prof. Enzo Valante, Consortium GARR, Italy**
- 15. Prof. Bahlul Eliagoubi, National Authority for Scientific Research, Libya**
- 16. Ben Fatma Mohamed, Expert International Education, Tunis**
- 17. Dr. Faeqa Saeed Al Saleh, League of Arab States, Egypt**
- 18. Dr. Khadija Ghariani, Arab ICT Organization, (AICTO), Tunisia**
- 19. Nada Kadhim, National Research Fund (NRF), UAE**





**ASREN is now an official legal entity**

**ASREN now is officially registered in Dusseldorf, Germany as non-profit company with 3 Shareholders:**

Jordanian Universities Network, JUNet

Moroccan Research and Education Network, MARWAN

Abu-Ghazaleh & Co. Consulting GmbH

**HE Amre Moussa, Secretary General of the League of Arab States was elected as Honorary Chairman**

**HE Talal abu Ghazaleh was elected as ASREN Chairman**

# Another year of Achievements

- ASREN is now official partner in the EUMEDCONNECT3 project
- ASREN is a partner in the CHAIN Project
- ASREN was present in many events and activities around the region
- ASREN supported the startup of NREN in Lebanon
- ASREN is working with EUMEDGRID Support and CHAIN projects to operate the Regional Operation Services “ARABIA ROC” and associated services
- eAGE2011

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# Please Join my session at 16:40 today

## ***ASREN: Towards developing Arab Regional e-Infrastructure***

- Yousef Torman, “the Jordanian Universities Network”, JUNET/ ASREN, Jordan (Chair)
- Mr Dahir Hassan, “Perspectives on the Somalian Research and Education Network”, Somalia
- Mr Sa’ed Awienat, “e-Infrastructure in Qatar”, Qatar Foundation, Qatar
- Dr Ahmad Dabbagh, “ANKABUT experiences in the United Arab Emirates“, UAE
- Dr Ayman Bahaa, “Experiences in Egypt University Network”, Egypt
- Dr Mohamed Awad, “Perspectives on the Sudanese Research and Education Network”, Sudan
- Dr. Said Mandari, TRC, Oman
- Mr Radi Fassed, “ASREN: Towards developing Arab Regional e-Infrastructure” ZAIN, Jordan