

Open Digital space for the Mediterranean Agadir 26-28 March 2009

e-Infrastructures in the Arab Mediterranean

JUNet

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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 Universities via optical fiber, with 1Gbps per University
- 14 Private Universities and 6 research institutes will 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 technology for research and collaborative research.



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كة شبكة الجامعات الار دنيا

National Efforts (Arab Mediterraneans)

Morocco	Moroccan Academic and Research Wide Area Network	MARWAN		
Algeria	Algerian Academic Research Network	AARN		
Egypt	Egyptian Universities Network	EUN		
Palestine	Palestinian Association for the Development of Internet 2	PADI 2		
Tunisia	Khawarizmi Computing Centre	ксс		
Syria	Syrian Higher Education and Research Network	SHERN		



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كة شبكة الجامعات الإر دز

PAN Arab Research Network

- In 2005, and based on Jordan's Experience with JUNet, The Ministry of ICT of Jordan initiated a project to study the feasibility of using the optical fiber of the power distribution grid in the Arab Countries for the purpose of building the PAN Arab Research and Education Network
- The project was funded by the Government of Jordan, Canadian International Development Agency (CIDA) and Cisco Systems
- The first phase of the feasibility study covered Morocco, Algeria, Tunisia, Libya, Egypt, Jordan, Palestine Authority, Lebanon and Syria





NAP: Arab States Network Access Point

 In line with the Global Summit on Knowledge societies, one pillar of the General Arab Strategy for Communication and Information Technology "Building an Information society 2007-2012" was:

"Achieving universal access and improving quality of services for the Arab citizen, utilizing information and communication technology"

 Based on this pillar, the ITU / Arab Regional office adopted the NAP in the Arab states initiative



كة شبكة الجامعات الار دني

NAP – Proposed Locations

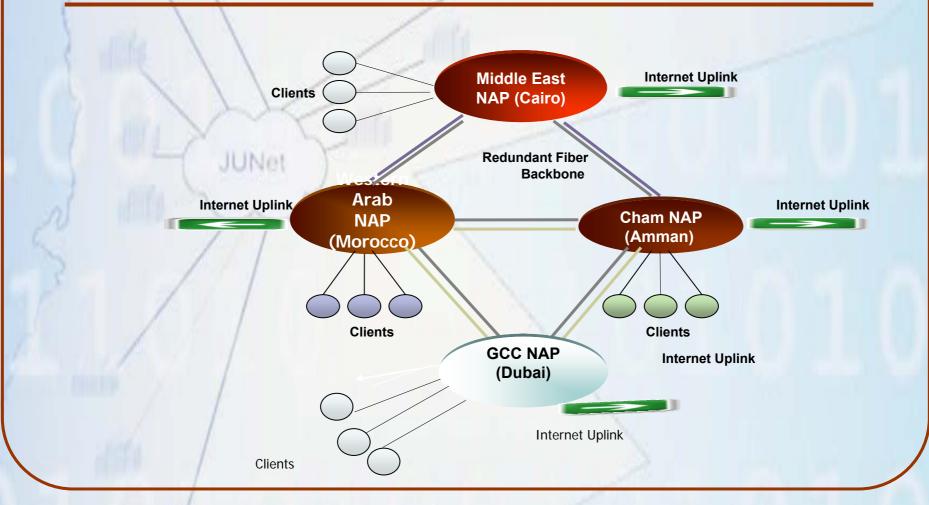
- Western Arab NAP: located in Morocco to cover Algeria, Mauritania, Libya and Tunisia
- Middle East NAP: located in Egypt to connect Sudan, Somalia, Djibouti and Comoros.
- GCC NAP: located in Dubai to connect Kuwait, Saudi Arabia, Qatar, Oman, Bahrain, UAE and Yemen.
- Cham NAP: in located Jordan to connect Syria , Iraq, Palestine Authority and Lebanon .



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كة شبكة الجامعات الأردنب

NAP: Layout



Rome Declaration

After several meetings and discussions, the representatives of the Arab Mediterranean NRENs recognized that:

- The importance for the academic and research community in the Mediterranean region to count on a regional infrastructure for data communication to improve cooperation in the area of academic research and investigation and education within the region and globally.
- The importance for the academic and research community in the Mediterranean region to count on a regional consortium to support the development and implementation of a regional infrastructure for data communication based on advanced networks.
- The importance for the academic and research community in the Mediterranean region to count on a regional consortium to support applications and e-services that assist research, education and learning in these countries.

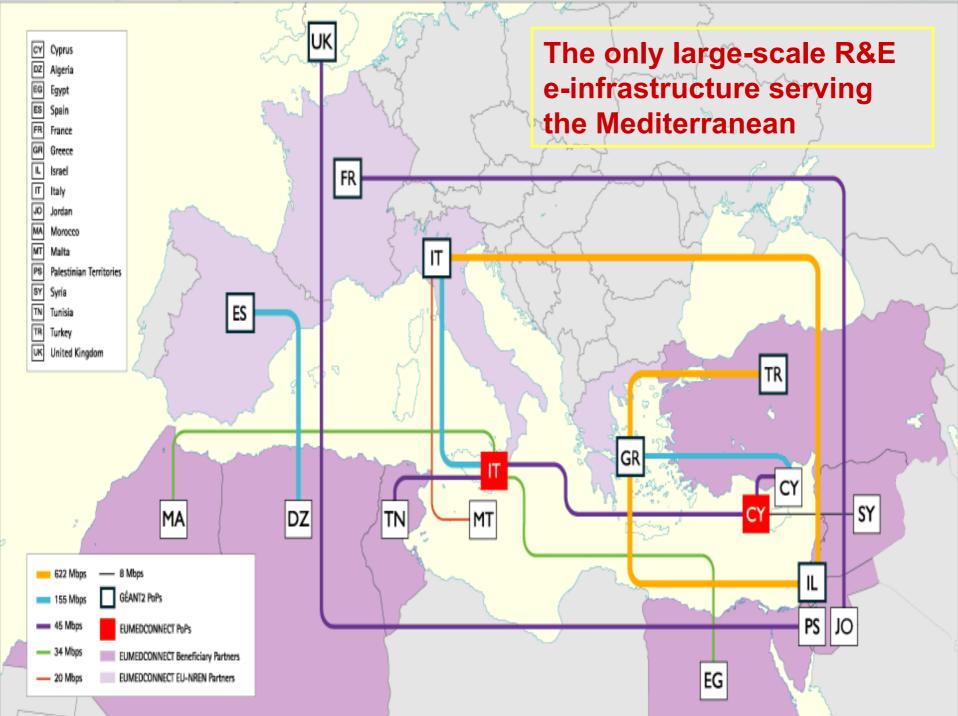


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EUMEDCONNECT



- First EC funded regional R&E project outside Europe
- 11 MED partners, 4 EU partners
- Network started 2004



Connected Projects include:

EUMEDGRID MedGeNet MOSAICS PROHITECH NEAREST EUMEDGRID NET-ADDED MAC-OILS AQUARHIZ PROMET SOWAMED PARASOL **YOUNG-TRAIN ECHINONET** ADU-RES CYCLER-SUPPORT MELIA **INNOVA-MED CIBEWU** WATNITMED **EU-MED AGPOL LEISH-MED** DIMAS AQUARHIZ PLEIADES

WEMED TRITIMED KASSA PERMED SWAP **OPTIWHEAT** QUALIWATER ERA-MED **IDEALIST7FP** FOOD-N-CO **EURO-MEDANET** PROMEDACCESS MED 7

MEDINDUS C.H.E.R.K. **OPTIMA** RAMSES II C.H.E.R.M. HERMES DESIRE WADI SHADUF PAPERTECH MED-COLOUR-TECH MAP-IT! **HYRESS**

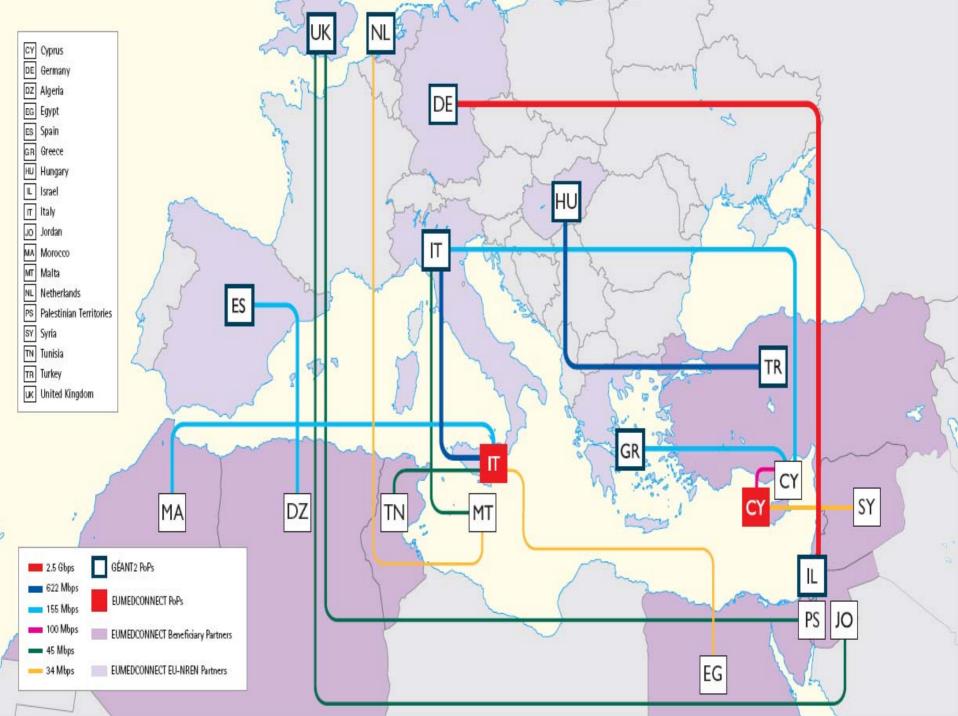


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EUMEDCONNECT 2

- Operated by DANTE
- Built on the success of the EUMEDCONNECT
- Launched in November 2008 in Amman
- The EC contribution is 4 M Euro, and the partners contribute 50% of the cost of the connection.
- More than 2 M users in around 700 institutions are connected
- The project will last until late 2010
- Many research and education projects are using this connection
- More cooperation proposals are submitted,
- May initiatives started.



Rome Declaration (September 2006)

Therefore the representatives of the Arab Mediterranean NRENs Declared:

- The necessity for the existence of national research and education networks
- The desire to further develop and consolidate the Mediterranean EUMEDCONNECT network .
- That it is desirable to establish a Mediterranean research and education network based on the existing research networks in several countries.
- To cooperate in the development and consolidation of national research and education networks in those countries in the Mediterranean region, where they do not yet exist or where they have recently been founded
- To create a Mediterranean coordination space for the integration and regional coordination of the national research and education networks.



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إتحاد شبكات البحث العلمي والتعليم للدول العربية المتوسطية

Consortium of Arab Mediterranean Research and Education Networks (CAMREN)

• The consortium was introduced as an action point for the Rome Declaration



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كة شبكة الجامعات الأر دنب

CAMREN

 Currently; the CAMREN proposal include the NRENs of the following Countries:

- Syria
- Palestine

JUNet

- Jordan
- Egypt
- Algeria
- Morocco
- Tunisia

Other countries: Libya and Lebanon are also invited



3 نموز 2009

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CAMREN, Steps...

- A consortium agreement was prepared by the directors and representatives of the NREN of these Countries. Amman was selected to host the consortium
- The agreement was forwarded to the related government body of these countries, and most of the countries have agreed to sign.
- Due to many changes of Ministers and officials in some countries; the signature of the consortium has been delayed and no date is currently decided
- Jordan took the initiative of writing to the Ministers of Higher Education in these countries to encourage them to take action in this regard, the letter was sent in April 2008
- EUMEDCONNECT 2 Project offered support to establish the consortium



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Major Concerns

Financial support
Technical Support
Applications
Promotion

Bureaucracy



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Recommendation

- It is very necessary to establish a large scale network to connect the research and education networks in the different Mediterranean countries in one regional network to facilitate the cooperation in education and research in the Mediterranean.
- Many thanks to the EUMEDCONNECT Project and its successive EUMEDCONNECT2 for supporting the regional connectivity (2004-2010)
- Efforts towards establishing this network should be supported. Especially CAMREN, the Consortium of Arab Mediterranean Research and Education Network

Thank You

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3 نموز 2009

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