



International Research Networking

# EUMEDCONNECT: the network for Mediterranean grid computing applications

EUMEDGRID 1<sup>st</sup> Conference  
15 September 2006  
David West, DANTE



# Delivery of Advanced Network Technology to Europe



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- Not for profit company, based in Cambridge UK, pan-European remit
- Owned by European NRENs
- 35 staff
- Builds and manages
  - GEANT2
  - TEIN2
  - RedCLARA
  - EUMEDCONNECT

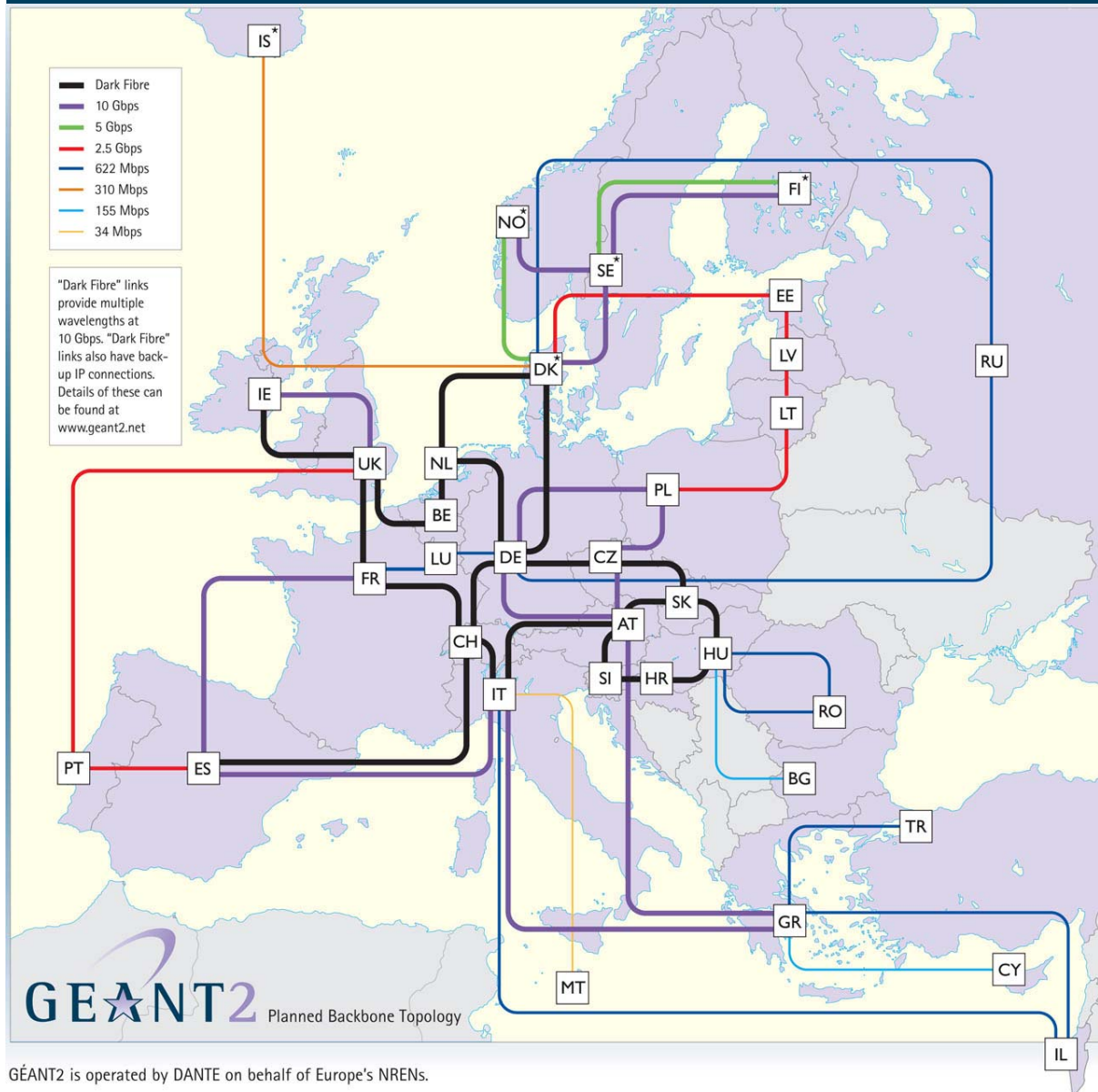


# GÉANT2: the Pan-European R&E network



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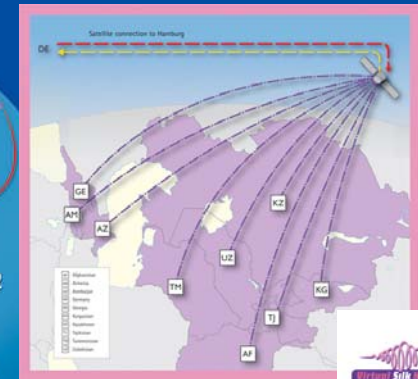
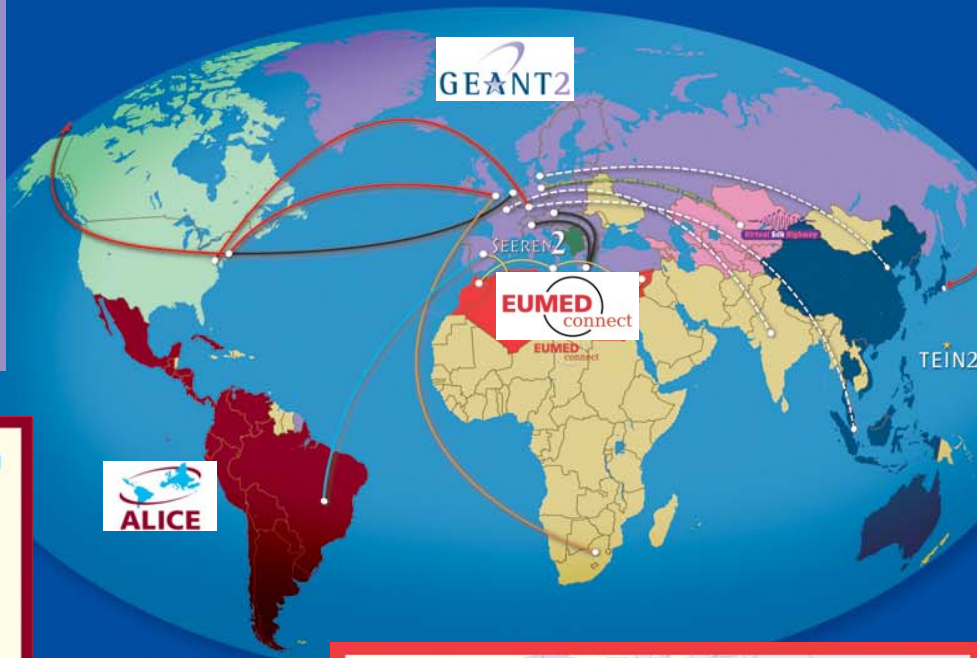
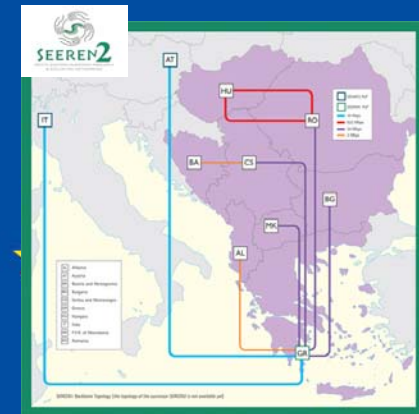
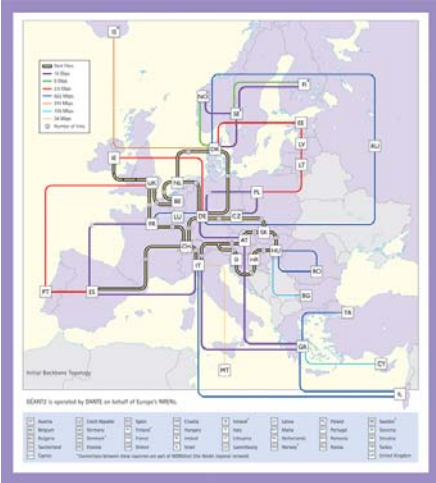
- Connecting 34 countries across Europe
- Exclusively for the R & E community
- High bandwidth and specialised services
- Global connectivity



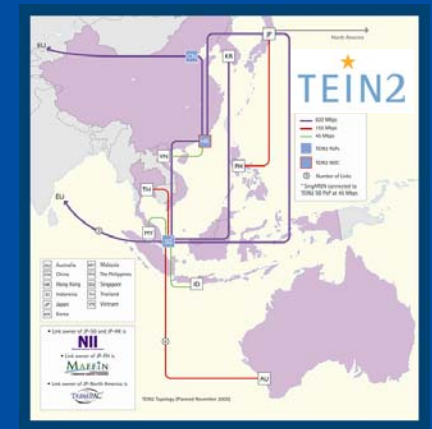
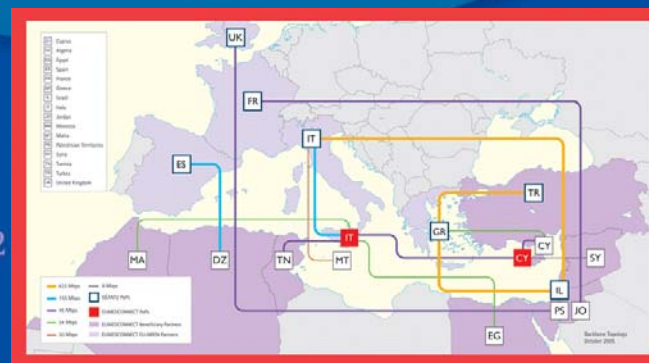
GÉANT2 is operated by DANTE on behalf of Europe's NRENs.



# The Global Reach of European Research Networking



- 10 Gbps
- 2.5 Gbps
- 622 Mbps
- 155 Mbps
- 34-45 Mbps
- Planned Connections
- Satellite Connection



Design and production coordinated by DANTE on behalf of GEANT2  
[www.dante.net](http://www.dante.net) [www.geant2.net](http://www.geant2.net)



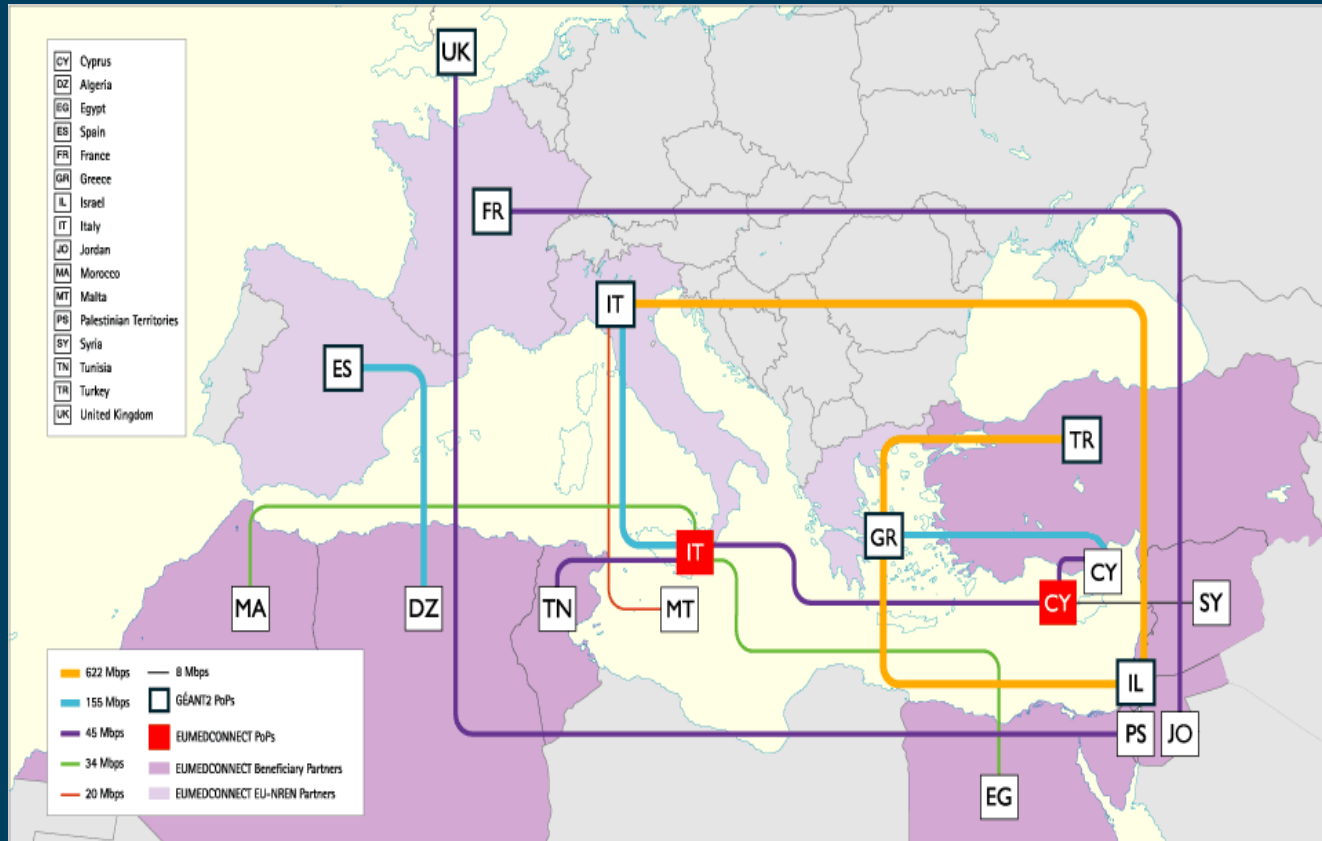
# EUMEDCONNECT Project International Research Networking

- MED partners/beneficiaries:
  - Algeria, Cyprus, Egypt, Israel, Jordan, Lebanon, Malta, Morocco, Palestinian Authority, Syria, Tunisia, Turkey
- EU partners:
  - National Research and Education Networks (NRENs) of France, Greece, Italy and Spain
- Coordinating Partner - DANTE
- Funded up to 10 M EURO/80% by European Commission EUMEDIS programme
- Remaining funding - from beneficiaries
- Contracted - initially to June 2006, recently extended to July 2007 (and see later...)

# EUMEDCONNECT Network



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- 11/12 MED partners connected from 2004
- Dedicated connections to Europe and other MED partners
- Hubs in Catania and Nicosia (routers sponsored by Juniper Networks)
- Higher capacities and more cost effective than commercial Internet





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# The Mediterranean Telecoms Environment

- Mainly monopoly national operators
- Limited international telecoms infrastructure
- Unaffordably high commercial prices
- De-regulation slow, competition weak
- Difficult political climate

# Who is using EUMEDCONNECT?



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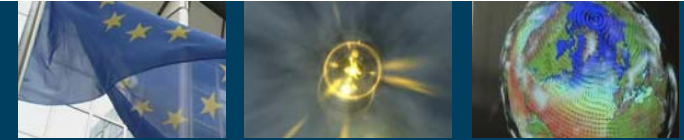
- Over 180 Mediterranean universities and research centres and 1M+ users connected for first time
- EUMEDIS Pilot projects, e.g.
  - **STRABON (tourism and culture)** – using EUMEDCONNECT in Morocco, Algeria and Tunisia
  - **MEDFORIST (e-Business learning)** – moved server from Paris to Rabat in July 2005
- EUMEDGRID
- MedGeNet – new FP6 EU/MED medical genetics project lead by European Genetics Foundation, with 17 EU and MED partners, and running on EUMEDCONNECT and GEANT2





# The Way Ahead

- 'EUMEDCONNECT2' planned for seamless transition after EUMEDCONNECT
- Funding sought from MED partners and EU ('European Neighbourhood Programme')
- ENP is actively considering EUMEDCONNECT funding
- Lobbying of national governments and EC welcome to assure EC funding



# Breaking News....

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- 'Rome Declaration' signed 14 September 2006 by EUMEDCONNECT partners of Algeria, Egypt, Jordan, Morocco, Palestine and Syria
- First step towards forming regional association to further research and education in the Mediterranean region
- Positive step for sustainability of EUMEDCONNECT



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# Thank you!

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