



## TEIN2 –Asia's first regional research network

David West, DANTE

[David.West@dante.org.uk](mailto:David.West@dante.org.uk)

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# Delivery of Advanced Network Technology to Europe Ltd



International Research Networking

- Established in 1993 and based in Cambridge, UK
- A not-for-profit organisation
- Created and owned by Europe's National Research and Education Networks (NRENs)
- 2005 Annual Turnover – 47M Euros
- 35 staff members
- DANTE plans, build and manage pan-European research and education networks....

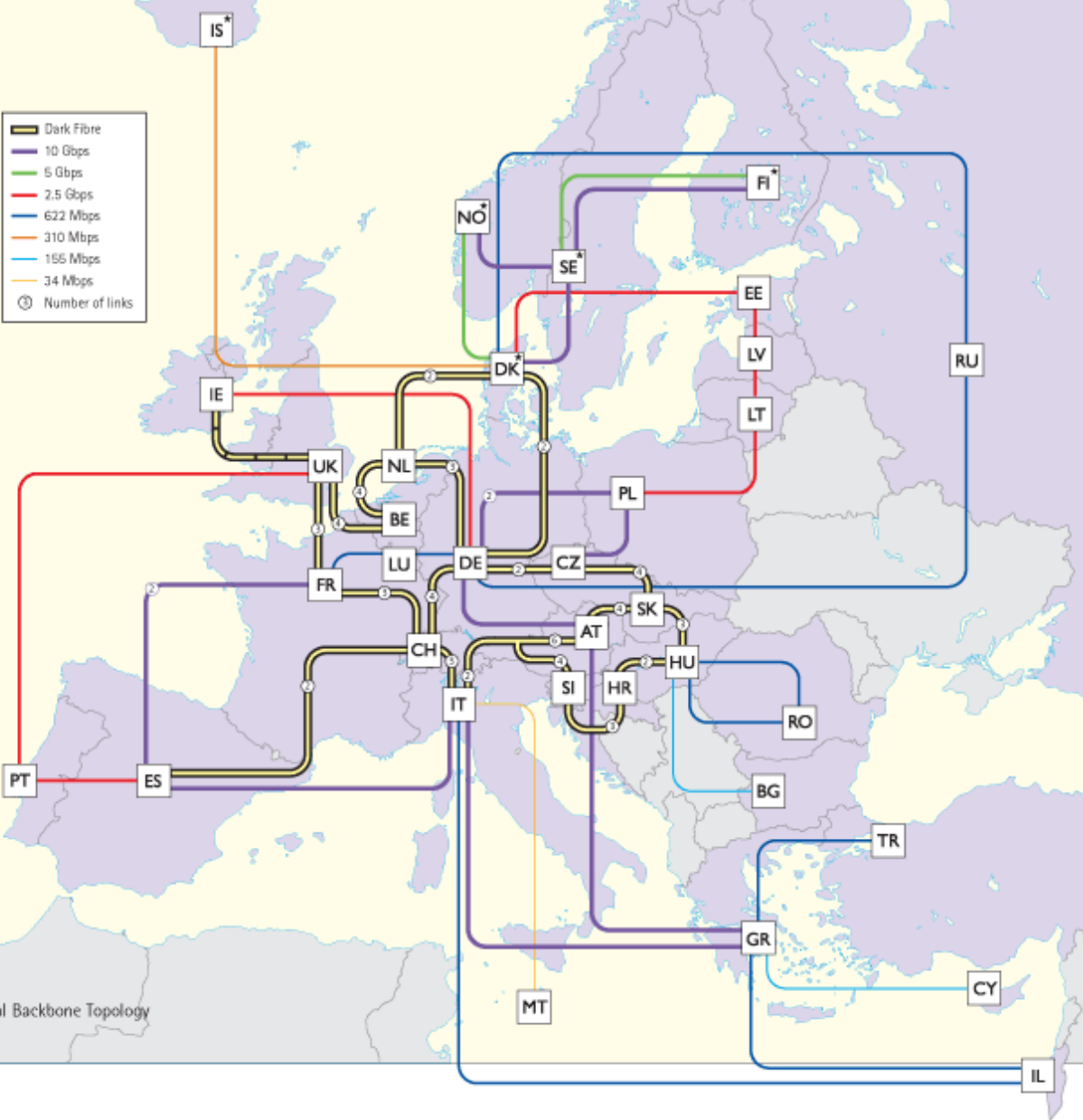
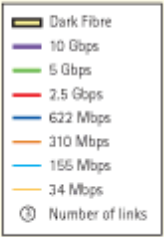




## International Research Networking

# GÉANT2

- 7<sup>th</sup> generation pan-European Research and Education network
- Connects 34 countries, 3500+ R&E establishments, over 30 M users
- 200 M EURO funding, jointly by NRENs and European Commission
- 2004 - 2008



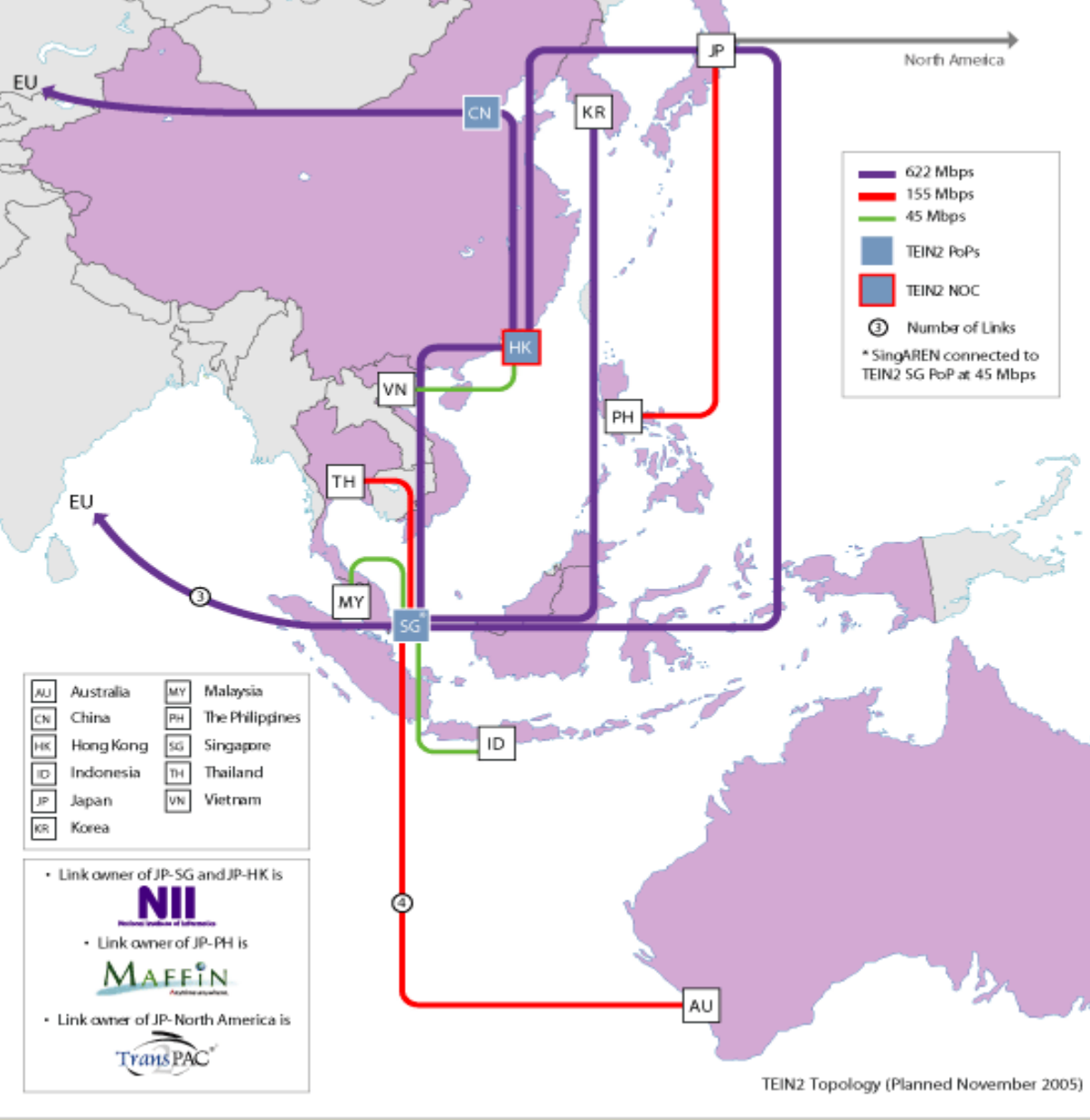
# Trans-Eurasia Information Network



International Research Networking

- Oct 2000 Conceived at Asia Europe Summit Meeting
- Nov 2001 Korea – France connected from 2 – 155 Mbits
- Sept 2003 EU 10M Euro funding announced
- April 2004 DANTE appointed to manage TEIN2
- Nov 2004 Feasibility studies accepted by EC
- Jan 2005 Tendering for TEIN2 regional network starts
- Sept 2005 First contracts awarded
- Jan 2006 TEIN2 network deployed





## International Research Networking

- TEIN2 Network fully deployed
- Restricted to non commercial traffic
- Directly connects 10 Asia Pacific research communities and Europe
- Very high capacities and performance, not affordable or generally available on commercial Internet



# Exploiting the Advanced Network Technology of TEIN2



International Research Networking

- Medical Applications e.g. Tele-consultation between Australia and Vietnam
- Disaster warning e.g. Philippine Institute of Vulcanology and Seismology (PHIVOLCS) + partners
- Oceanography e.g. ASEM Oceans Initiative
- Climatology e.g. Philippine and German Weather Centres
- Distance learning e.g. University of Health Sciences, Cambodia and UPMC Medical School, Paris

# National Research and Education Networks catalysed by TEIN2



International Research Networking



INHERENT/ITB -Indonesia



Malaysia



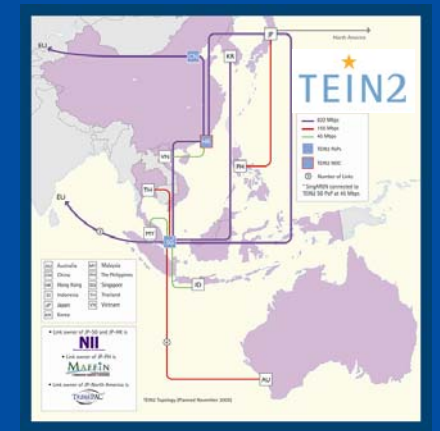
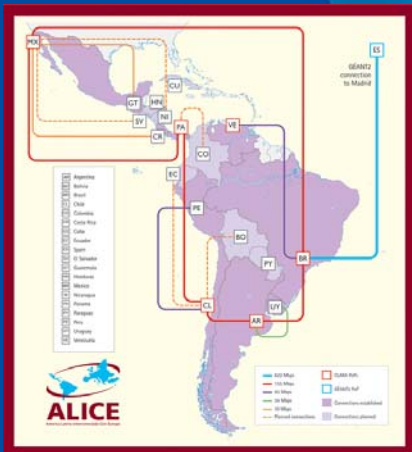
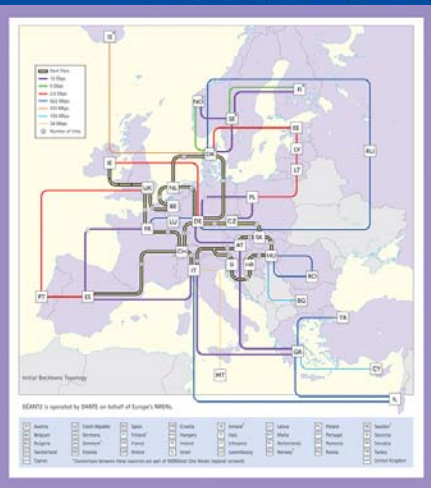
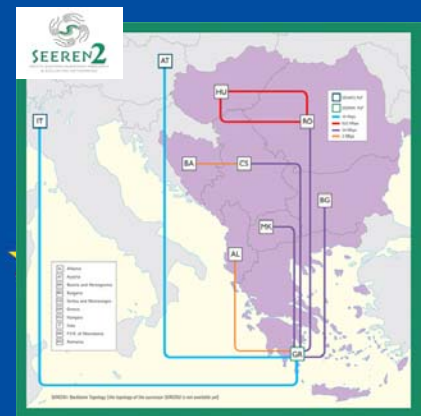
Thailand



Vietnam



# The Global Reach of European Research Networking



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

# TEIN2 continuation – objectives after Dec 2007



International Research Networking

1. Seamless continuation of network
2. Potential for expanded geographical coverage
3. Increased applications focus
4. Transition to Asian ownership

