

« *networking the networkers* »



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TERENA

Panel on “Preparing the Future”



TERENA membership



- › National Members: national research and education networks of 38 (39) countries
- › International members: CERN, ESA
- › Associate members (incl. industry)



What does TERENA do?

- › “Networking the networkers”:
 - › Provides an environment for fostering new initiatives in European research networking
 - › Supports joint European work in developing, evaluating, testing, integrating and promoting new networking, middleware and application technologies
 - › Organises information exchange (conferences, workshops etc.) and knowledge transfer (“digital divide”)
 - › Represents common interests and opinions of TERENA members



What does TERENA not do?

- › TERENA does not run a network



TERENA was cradle for other, operational organisations

- › DANTE (split off in 1993)
 - › Plans, builds and operates pan-European backbone network interconnecting national research networks: GÉANT
- › RIPE NCC (split off in 1997)
 - › Regional Internet Registry for Europe and neighbouring countries



Services run by TERENA

› eduroam[®]

- › European eduroam[®] confederation is funded by EU through GN3 (GÉANT) project

› TACAR[®]

- › Foundation for new eduPKI service funded by EU through GN3 (GÉANT) project

› Trusted Introducer Service

- › Accreditation (and soon also certification) service for CSIRTs (Computer Security Incident Response Teams)

› TERENA Certificate Service

- › Offers server certificates, personal certificates and code-signing certificates to the constituencies of TERENA member organisations at very inexpensive prices
- › Also offers eScience server certificates and eScience personal certificates used by the Grids community
 - › Thereby taking away the need for national Grid CAs



Trends

- › National Research and Education Networking organisations broaden their scope to a wider range of services
 - › Providing data transport is becoming less challenging technically, financially and managerially
 - › The new challenges for, and the added value of NRENs is in other services

- › Joint procurement by TERENA member organisations of commercial services
 - › Following the TCS example
 - › Many ideas being suggested

- › National Research and Education Networks obtaining services from each other
 - › Many ideas being suggested
 - › Create NREN services catalogue