

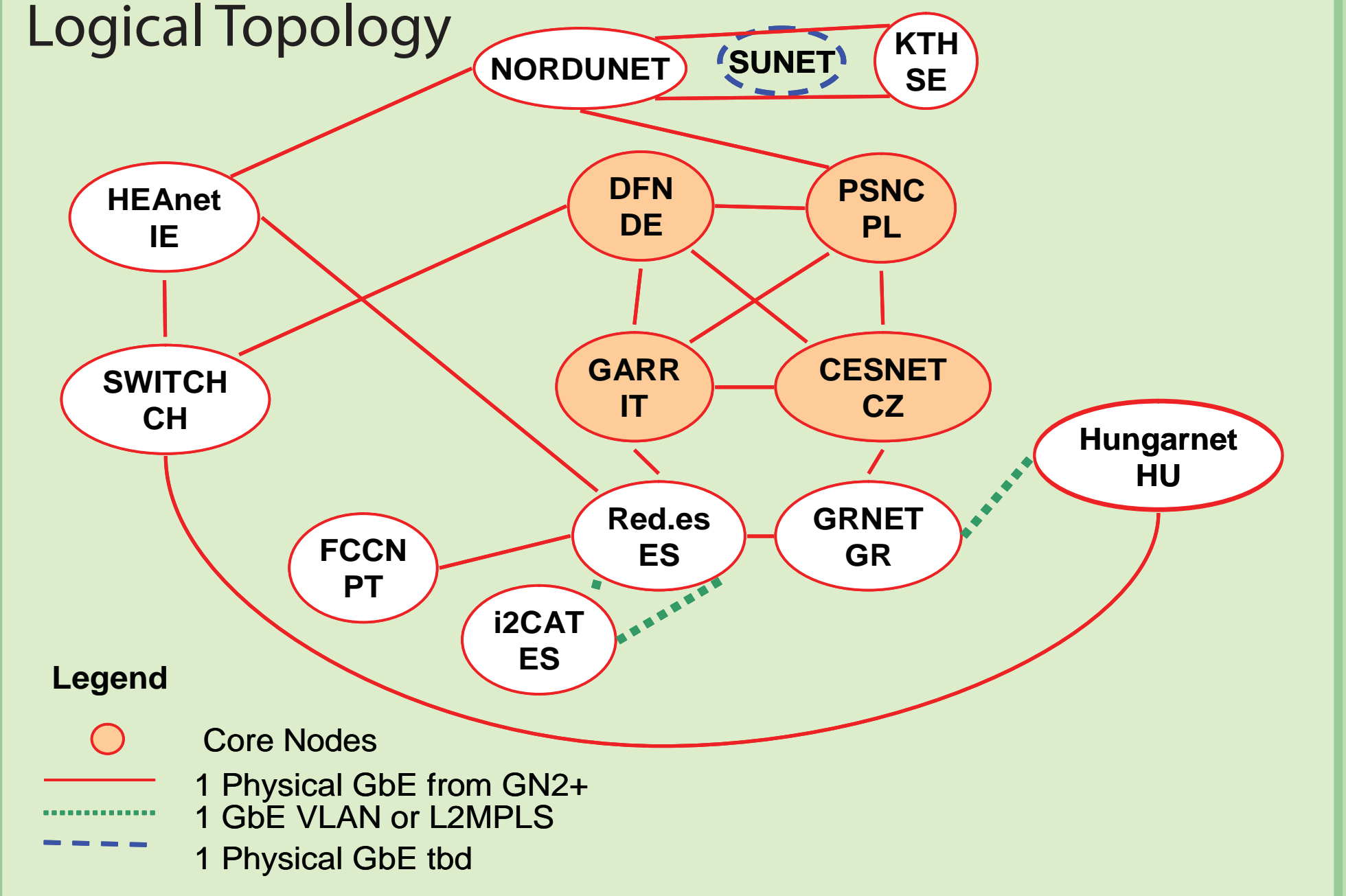


European Virtualisation Project is Looking for Future Internet Researchers

OBJECTIVES

- » Support research on Future Internet (in both academia and private sector).
- » Create a Europe-wide, technology-agnostic e-infrastructure of network resources and nodes that can be 'sliced' to provide virtual Internet environments for research. Also create the mechanisms that will allow researchers to control resources within these slices and conduct disruptive experiments without adverse effect on existing production networks.
- » Research the virtualisation of e-infrastructures, in particular multi-domain control, management and monitoring, virtualisation services and user-oriented control in a federated environment.
- » Pave the way, research and create experience for the next generation of European NRENs (national research and education networks).

Logical Topology



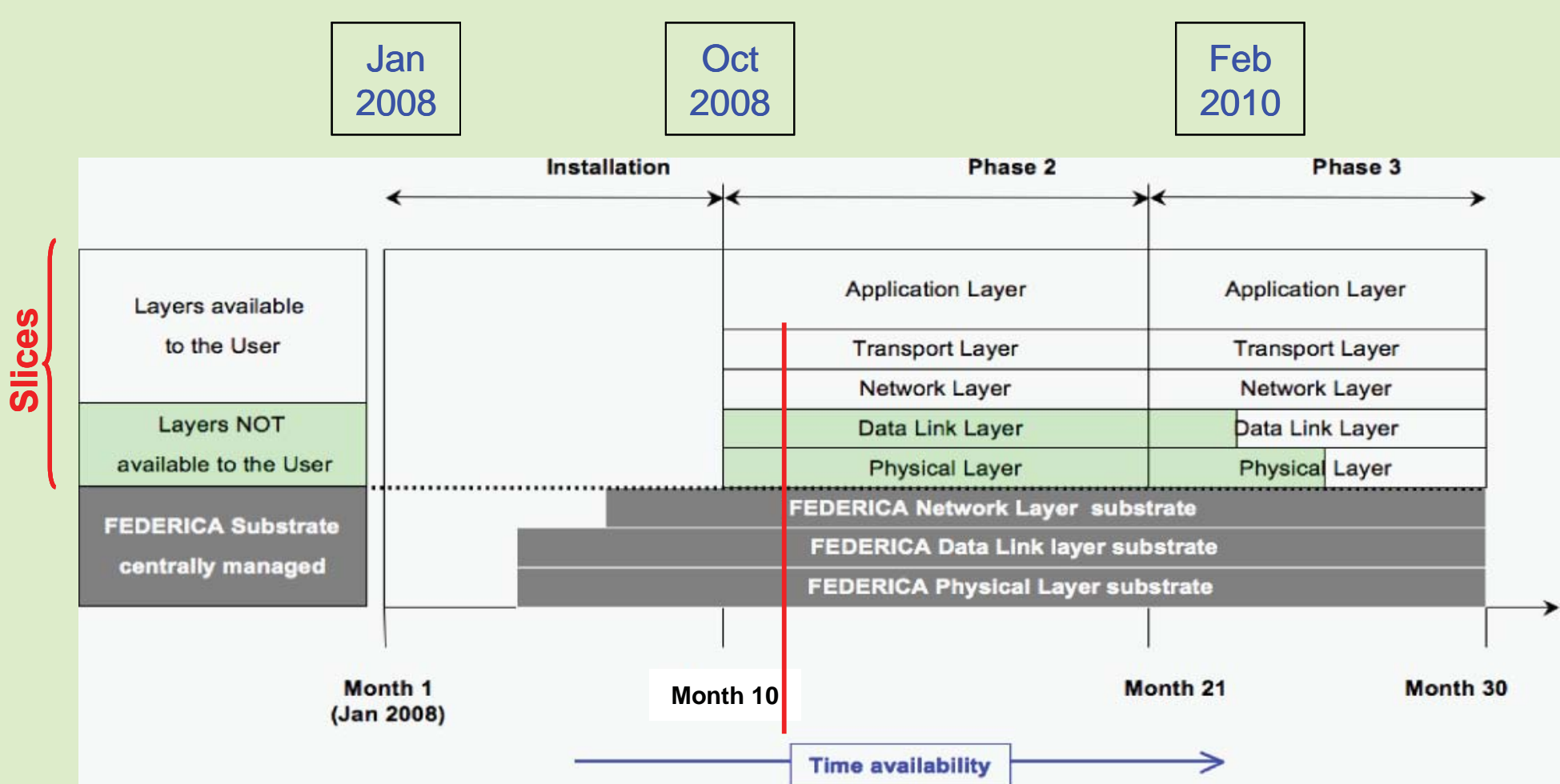
PROGRESS

Since FEDERICA began, on 1 January 2008, the project team has succeeded in defining a network architecture, PoP (point of presence), substrate and topology. Now they are on the point of opening the network to users experimenting on the Future Internet.

The core PoPs to be available initially are in the Czech Republic, Germany, Italy and Poland. Nine PoPs in the other participating countries will be gradually connected. This will create a long-distance, multi-domain infrastructure that will provide a real-world environment for end-to-end experiments on the Future Internet.

Users may be individual researchers, PhD students, groups in universities or research centres, worldwide and EC project participants and equipment manufacturers' research laboratories. Their research will not just use the network as a tool, but primarily as the subject of their work. Training for users is included in the project.

Work Plan



FEDERICA AT A GLANCE

European Community co-funded project in the 7th Framework Programme (FP7) in the area 'Capacities - Research Infrastructures'.

EC funding: € 3,700,000
Total budget: € 5,179,645
Funded effort: 464 person months

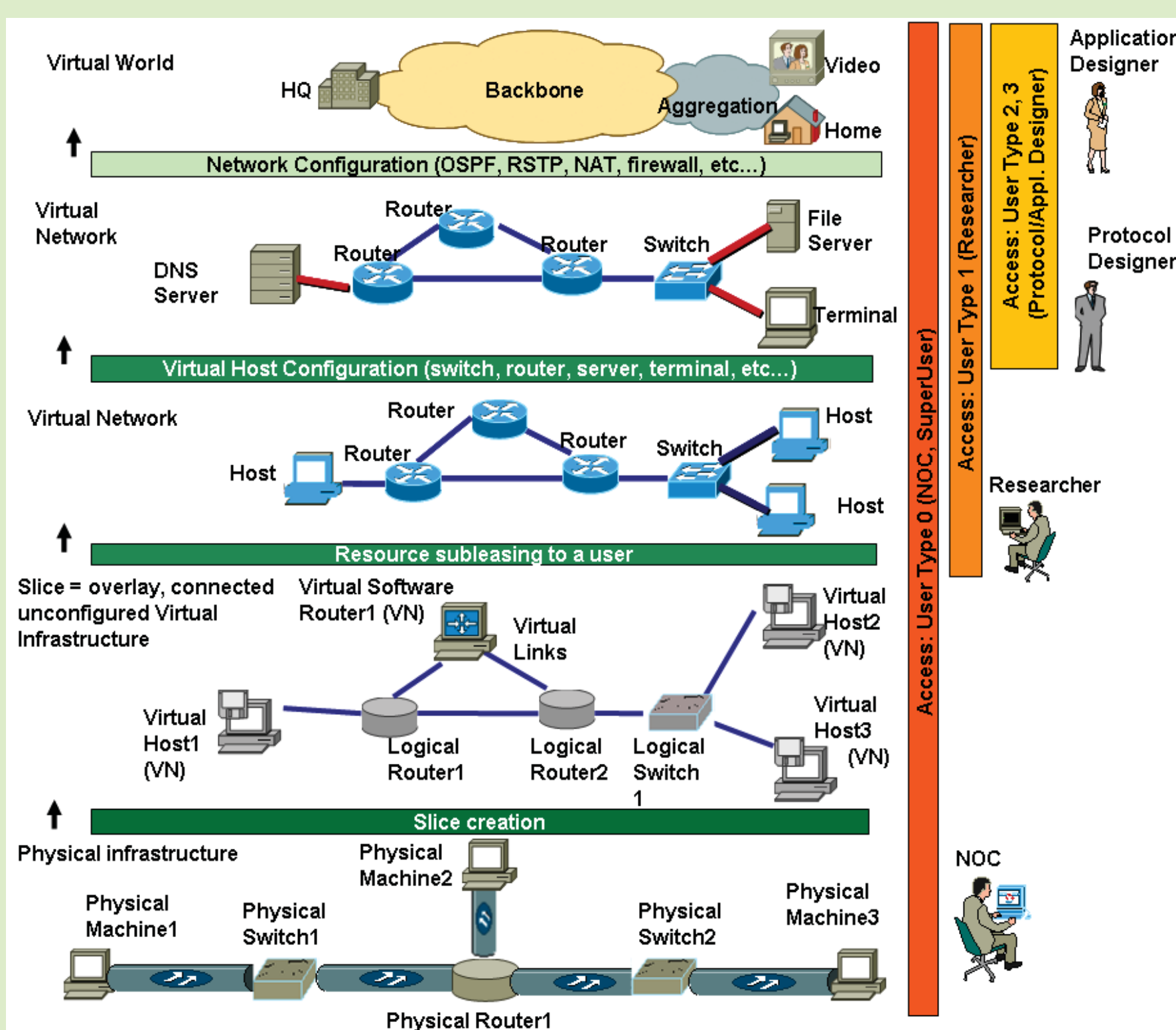
Duration: 30 months (1 January 2008 - 30 June 2010)

Collaboration with other EC-funded projects:

- GÉANT2
- Phosphorous
- Onelab2
- OGF Europe

Coordinator: GARR (IT)

Work Flow



PROJECT PARTNERS:

- Consortium GARR (Italy)
- CESNET (Czech Republic)
- DANTE (based in UK)
- DFN (Germany)
- FCCN (Portugal)
- GRNET (Greece)
- HEAnet (Ireland)
- HUNGARNET (Hungary)
- Fundació i2CAT (Spain)
- ICCS (Greece)
- Juniper Networks, Inc.
- KTH Royal Inst. of Tech. (Sweden)
- Martel Cons. (Switzerland)
- NORDUnet (based in Denmark)
- Politecnico di Torino (Italy)
- PSNC (Poland)
- RedIRIS (Spain)
- SWITCH (Switzerland)
- TERENA (based in Netherlands)
- UPC (Spain)

