GRNET-2 / GN2 Update
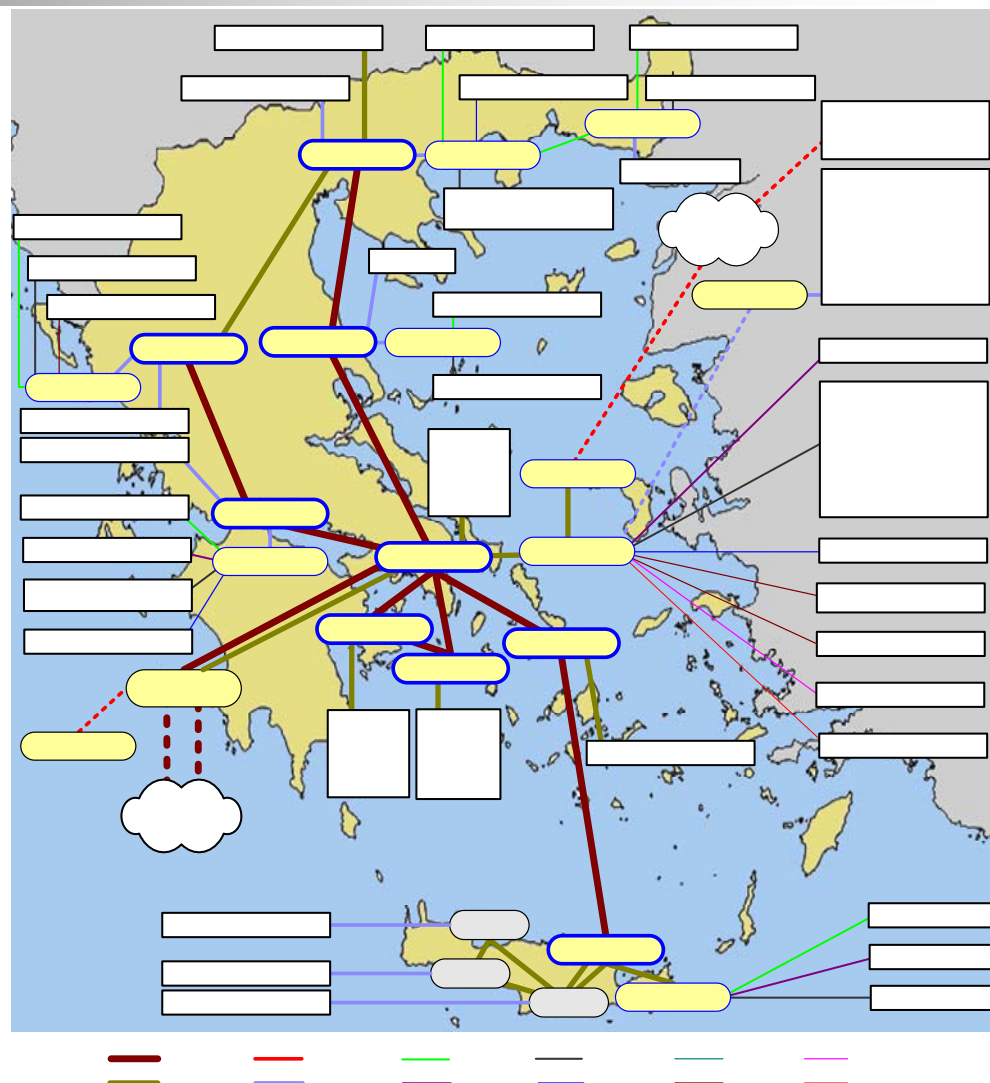
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Athens, January 2005

G R N E T-2 (Ε Δ Ε Τ-2)

- Core 2,5 Gbps

- Access 2/34 Mbps – 1Gbps

- International 2x2.5Gbps (to be upgraded to 2x10 Gbps)

- Services:

  - Real-time services & VoD
  - GRNET-CERT
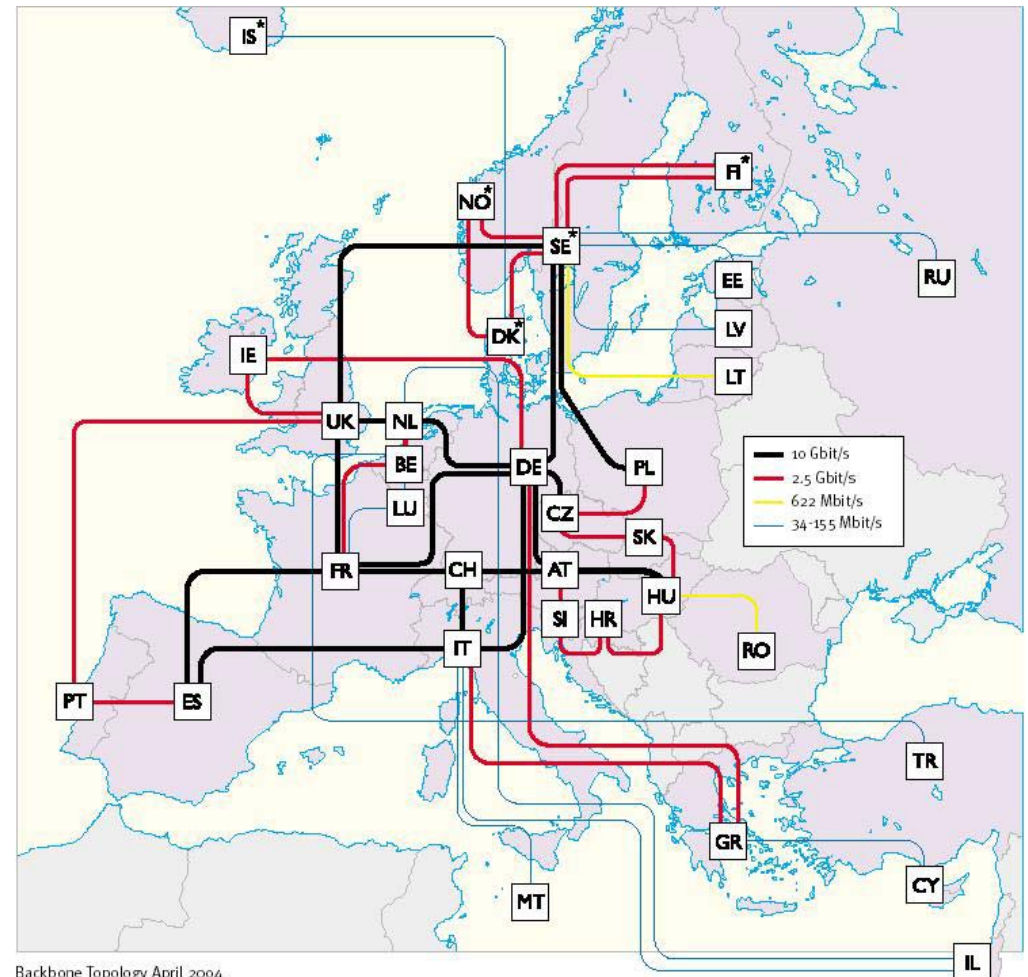 - Directory Services (LDAP)
  - IPv6
  - MPLS

Under development

- Tenders for Thessaloniki-Xanthi, Syros-Samos, Athens-Xania (dark fiber IRUs) – Viability
- "93" & "105" will provide to Universities & Research Institutes, viable access to GRNET
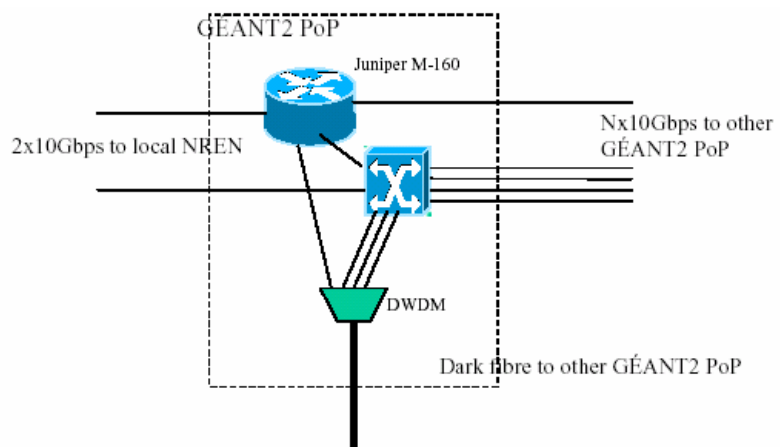
GN2

- Further develops the successful GN1 (FP5) project which has created the GEANT pan-European network

- Upgrade of the network backbone: GEANT2

- Emphasis on switched end-to-end provision of services across multiple interconnected networks

- Gaining improved understanding of user needs

- Direct support and performance monitoring

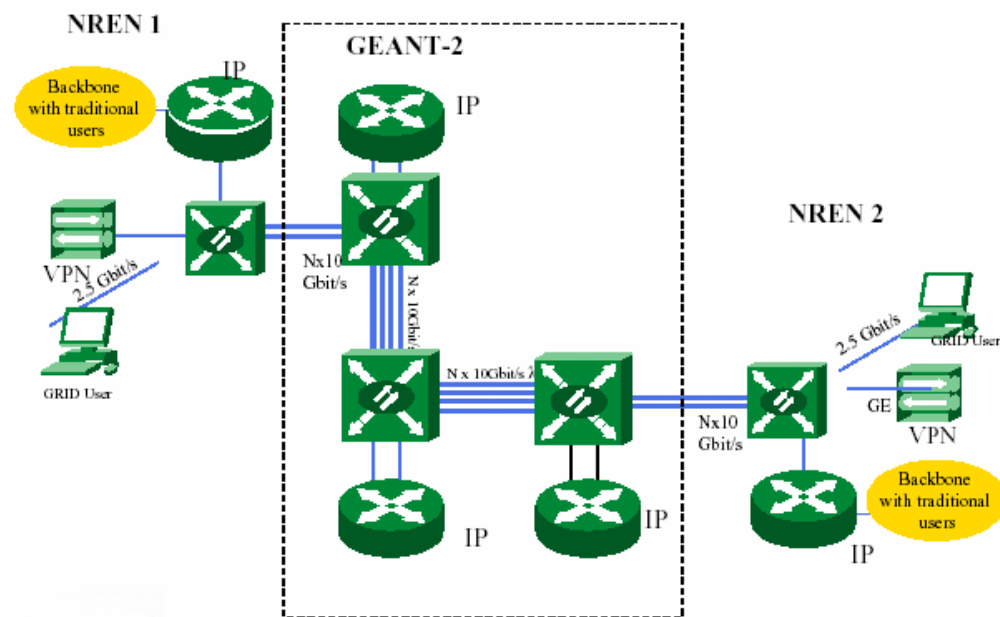- Migration from IP services to combination of routing and switching, network control, light paths

Backbone Topology April 2004

GN2: The network

End-to-end services

Node architecture

Pan-European fiber infrastructure

European Fibre Footprint Core for REN - example