

# The GÉANT Open Exchange in London

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DANTE Delivery of Advanced Network Technology to Europe

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# Open Exchange for the GÉANT Service Portfolio



## Connectivity Services

GÉANT IP

GÉANT Plus

GÉANT Lambda

GÉANT Open Exchange

## Network Performance

Performance monitoring

Performance enhancement

Network provisioning

Security

## Access and Roaming

eduGAIN

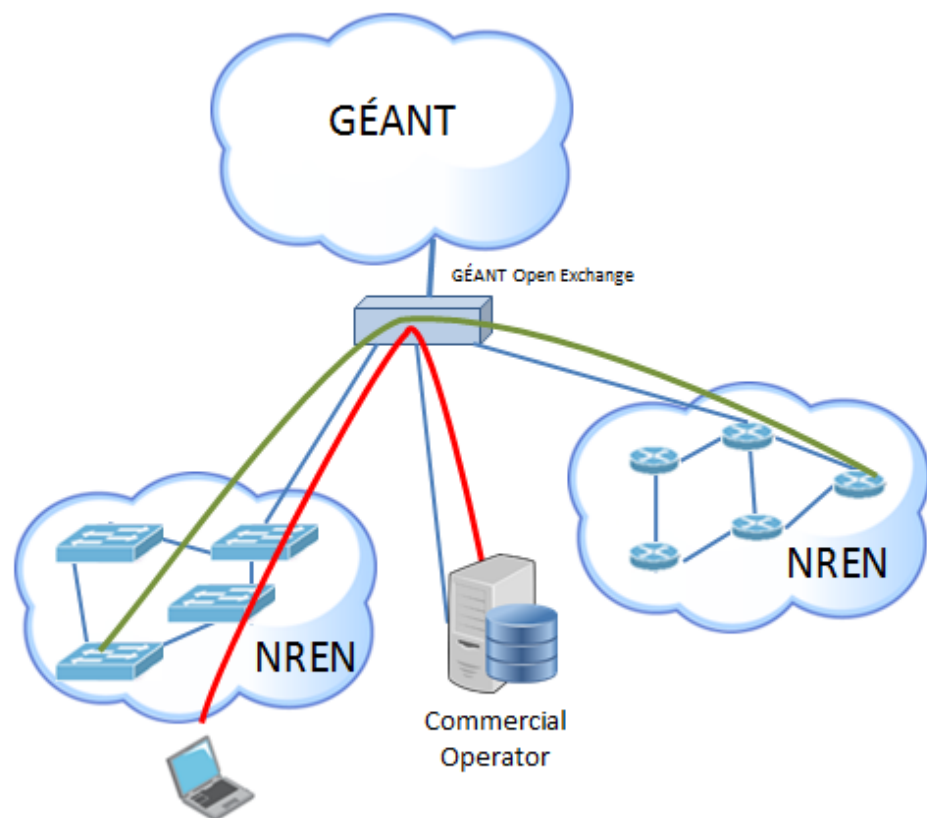
eduroam

eduPKI

# GÉANT Open – new pilot project



## Background



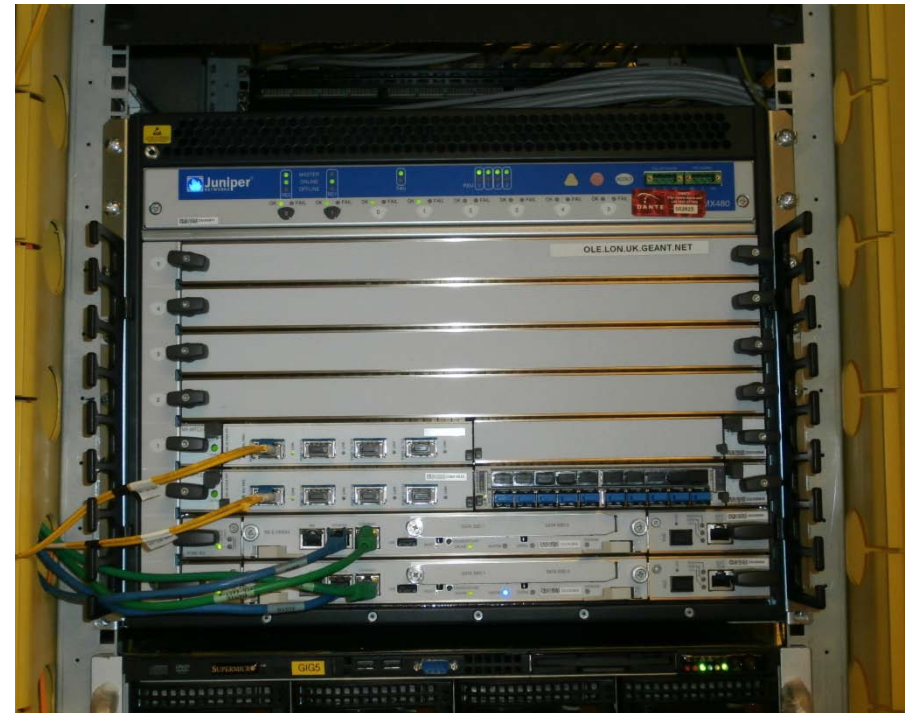
- Initial 1 year pilot to test “Open Exchange” concept within GÉANT
  - Pilot the Business Case
  - Determine commercial viability of any live service
- Facilitates interconnections of Research & Education users
- Enables interregional connections and other connections to GÉANT domain
- If successful expect the launch of a full production service

# GÉANT Open Exchange In London



## Facility

- Juniper MX 480 installed in Telecity London
- 8 10 Gigabit Ethernet ports
- 10 1 Gigabit Ethernet ports
- Plenty of expansion capability
- Layer 2 & 3 interconnection services:
  - Transparent Port-2-Port
  - VLAN based Port-2-Port connections
  - Multi-port VLANs using VPLS
  - Port with VLAN can be connected to GÉANT IP



## Users & Usage

- Allows NRENs, Research & Education Organisations (= end users), and Commercial organisations to try out the concept
- Designed to offer:
  - neutral, policy free interconnection facility
  - onward connection to GÉANT network

	NREN	R&E Organisation	GÉANT	Commercial Organisation
NREN	Allowed	Allowed	Allowed	Allowed
R&E Organisation	Allowed	Allowed <sup>1</sup>	Allowed	Allowed <sup>1</sup>
GÉANT	Allowed	Allowed	N/A	Allowed
Commercial Organisation	Allowed	Allowed <sup>1</sup>	Allowed	Prohibited

<sup>[1]</sup> It is expected that the local NREN will “sponsor” or be involved

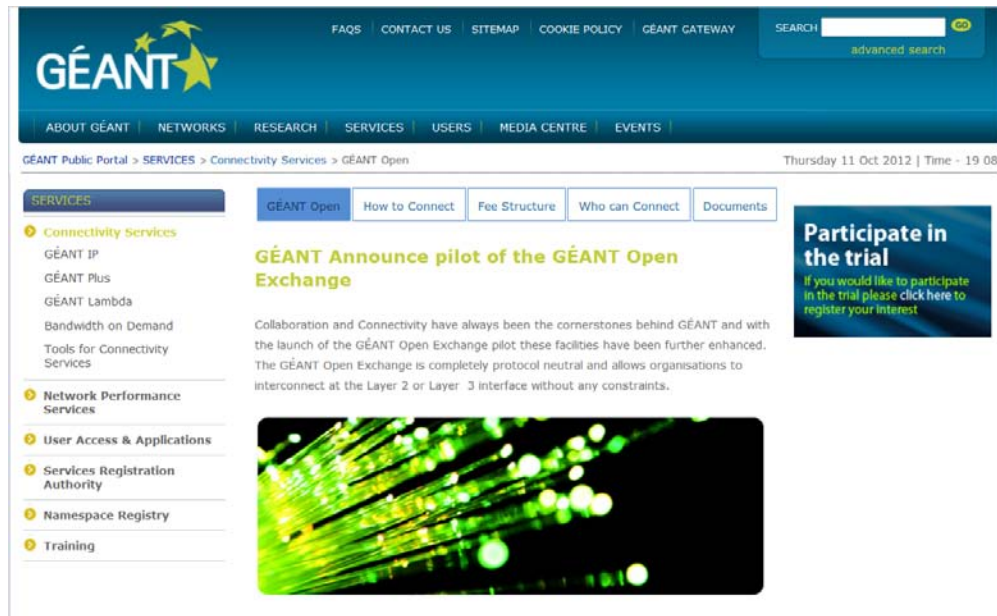
# GÉANT Open Exchange Pilot



## Current Status

- Installed, powered on and configured
- Operational monitoring:
  - Port statistics & historical plots available for the NOC
  - Procedures and process being developed
- Launched **1<sup>st</sup> October 2012**
- Website:

<http://www.geant.net/Services/ConnectivityServices/Pages/GEANTOpen.aspx>



connect • communicate • collaborate

# GÉANT Open Exchange Pilot



- Expressions of interest include:

- ACE
- NORDUnet
- ORIENT+
- SURFnet
- UBUNTUNET
- GÉANT

## Costs

- First 3 months FREE
- Then may charge to cover running costs
- No traffic volume changes

## Summary

- Installed,
- Powered on and configured
- Ready for your use