



# **GÉANT Y4 roadmap**

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## Reminder of Year-3

- **Ipv6 deployment**
- **Performance monitoring infrastructure**
- **PERT**
- **router testing**
- **optical networking**
- **multicast**
- **Premium IP management**

## **Status**

- **IPv6 deployment - ahead of schedule !**
- **Performance monitoring - on track, extra effort by DANTE student starting 12 May**
- **PERT - some progress but less than hoped for**
- **router testing - scaled down to testing Alcatel only. Joint work by DANTE and GRNET a bit behind expectation but progressing**

## Status contd...

- **Optical networking - some NRENs have extensive hands-on. TF-NGN group is sharing information only, no joint hands-on as yet**
- **multicast: little progress**
  - high capacity, SSM, per-group monitoring, beacon history
- **Premium IP management: no progress yet, DANTE student starting 12 May**

## Principles for Y4 roadmap

- **1st principle - *relevance***
  - important for GEANT and NRENs
- **2nd principle - *ownership***
  - someone must lead and do the work
- **3rd principle - *shared work***
  - more distribution of work
- **4th principle - *realistic***
  - no point promising things we cannot do

## Topics to be carried on from year-3

- **Performance monitoring**
  - closer co-operation with I2 e2e initiative ?
- **PERT**
  - in what form??
- **router testing**

## **New topics for Year-4**

- **Enhancement of IPv6 monitoring**
- **ipv6 multicast ? (native on GEANT and NRENs)**
- **resource reservation, allocation and scheduling schemes for GRID applications (connectivity resources)**
  - **study or hands-on ?**
- **end-to-end/interdomain provisioning and monitoring of L2 based connectivity**

## Aston-man white paper

- **Valentino Cavalli**

