

Panel Discussion: Pioneering the Future Internet through Technological Innovation

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GÉANT Launch Event

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The GN3 Mission

- To create an innovative **multi-domain hybrid networking** environment, using advanced transmission & switching technologies
- To enable R&E users through their Organizations with **flexible and scalable production quality services** via their constituent NRENs
- To be an enabler for Global R&E networking supporting international e-Science initiatives, creating a **Global Virtual Village** to house researchers & educators around the world
- To contribute to European & Global efforts towards the **Future Internet**

GÉANT WHITE PAPER:

http://www.geant2.net/upload/pdf/GN3-08-034-GN3-White-Paper_20080808173508.pdf

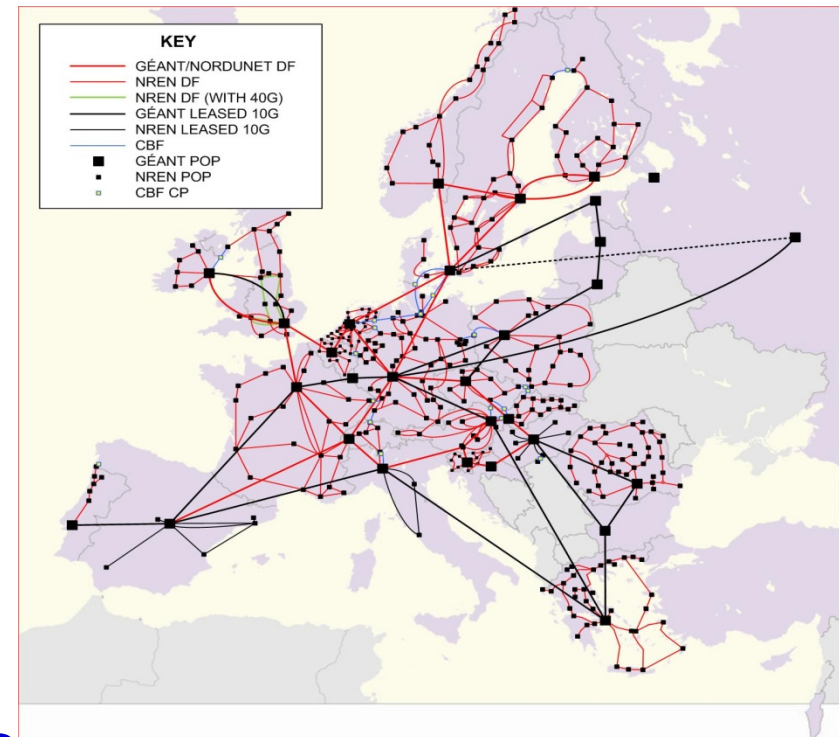
GN3 Challenge: A Mature Federation for a Tsunami of Global Requirements



Mega Tsunami - A tidal wave so great that it can be several hundred metres high, travel at the speed of a jet aircraft and travel 12 miles (20km) inland.

www.google.com/imgres?imgurl=http://www.mega-tsunami.com/

10 Gig+ NREN – GÉANT Footprint June 2009



High-End Users Require Stable Production Services:

- Provisioning 10-40-100 Gbps networks. Campus last mile?
- Meeting robustness, reliability, security requirements
- Enabling multi-domain e2e monitoring & on-demand hybrid resource allocation
- Managing converging e-infrastructures as a cloud HPCN → **Future INTERNET Services**

Panellists

Harald Alvestrand – Google

Mauro Campanella – GARR

Scott Kirkpatrick – Hebrew University of Jerusalem

Sam Samuel – North Europe Bell Labs

Dimitra Simeonidou – University of Essex