



NA2 EVN-NREN Forum

John Chevers, DANTE
EXPReS Board Meeting
Espoo, Finland



Connect. Communicate. Collaborate

Achievements

- SMART-1 Investigation
- EVN-NREN Meeting held at Schipol
- GE circuit implemented Torun-JIVE
- GE circuit implemented Medicina-JIVE (GÉANT2 section)
- 2 x GE circuits implemented Jodrell Bank-JIVE
- EXPReS FABRIC equipment installed in GÉANT2 London PoP
- FABRIC testing demonstrates successful 4Gbps flows over GÉANT2 testbed

SMART-1 –a performance investigation

- Points Addressed:
 - No faults in international backbones
 - Problems of local and national packet loss
 - Application level also investigated
- Outcomes
 - Improved network infrastructure to TIGO
 - Better understanding of network optimisation over long paths
 - Papers given at TNC2007 and Internetworking 2007



WWW.ESA.INT



Connect. Communicate. Collaborate

EVN-NREN Meeting

- Points covered:
 - Summary of eVLBI activity 2006
 - Summary of GÉANT2 activity and discussion of p2p processes
 - SMART-1
 - Connection of Medicina Observatory
 - FABRIC-4
 - eVLBI traffic in NL

Point to Point Circuits for eVLBI



- Torun-JIVE
- Jodrell-JIVE (2)
- Medicina-JIVE

ALL DELIVERED OVER GÉANT2!

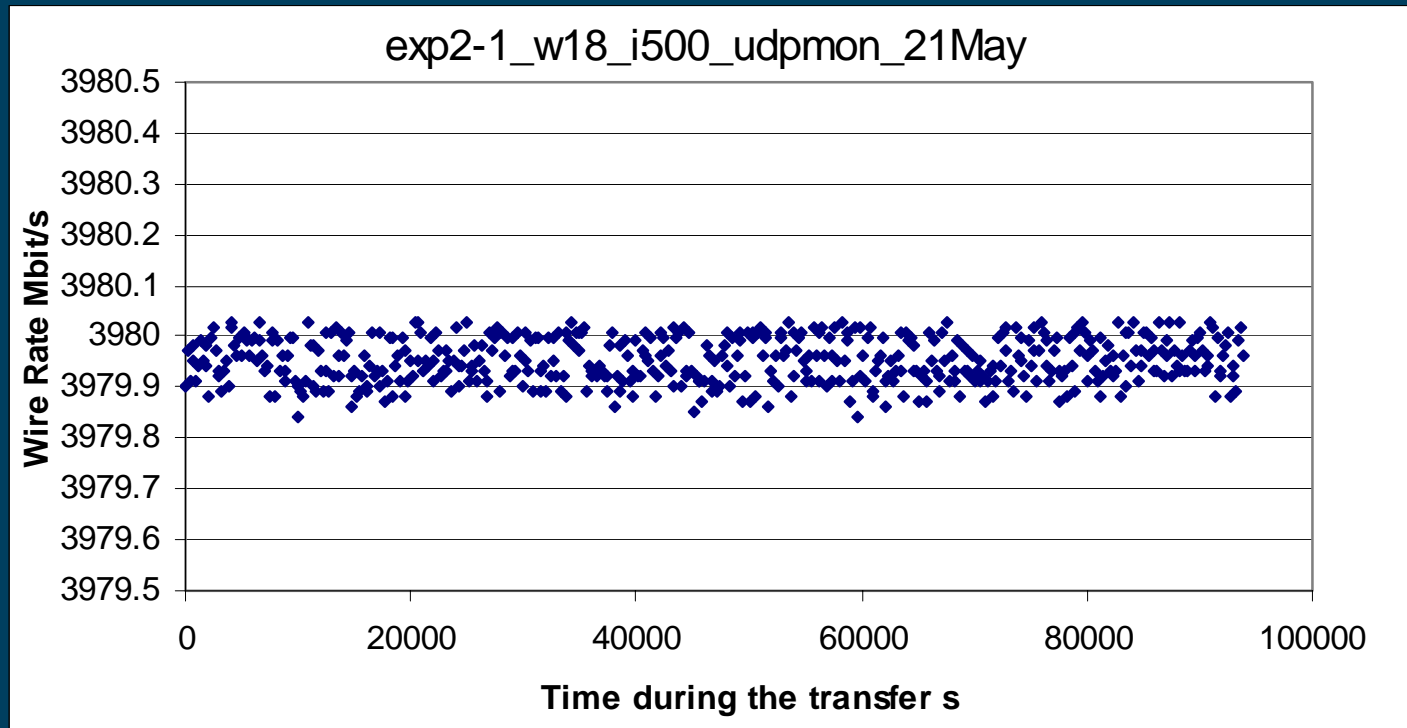
Looking forward to production service results!



FABRIC-GÉANT2 Testbed



Connect. Communicate. Collaborate



- GÉANT2 testbed used
- 4Gbps flows attempted -3.98 Gbps achieved!



Connect. Communicate. Collaborate

Conclusions

- Successful first project year
- Progress on:
 - TIGO connectivity
 - FABRIC on GÉANT2 testbed
 - Implementation of dedicated GE circuits for EXPReS
- Next!
 - Confirmation of GE performance
 - More sites connected by p2p circuits
 - ORIENT EXPReS