



3rd Next-Generation Networking Workshop

23 February 2009



Background

- › Long history of TERENA-organised activities focusing on lower-layer technologies:
 - › TF-ATM, TF-TEN, TF-TANT, TF-NGN
- › In last couple of years, a number of developments have renewed interest in lower-layer issues:
 - › New technological developments in optical networking, network virtualisation, customer-enabled networks, etc..
 - › GN2 JRA activities are restricted to project participants.
 - › No open forum for NREN, academic and industrial collaboration.
 - › Formulating requirements for national and international testbed facilities.
 - › Third workshop in series



Why focus wireless?

- › R&E networks have traditionally focused on leased line, and now dark fibre based services.
- › Growing interest (hype?) amongst R&E networks in WiMAX & 4G technologies for connecting remote sites and users.
- › R&E networks need to be more ubiquitous, and there still areas without broadband connections.
- › Little actual knowledge except amongst a few specialists.
- › Old (and bad?) ideas keep being revisited.
- › GN2 EARNEST study highlighted that NRENs wanted more information about wireless.
- › What can really be done, and what are the experiences (both good and bad?).
- › Is there any interest in undertaking practical activities, such as technology development and testing?



Workshop Programme

- › 10.00-10.05
 - › Welcome and Introduction (Kevin Meynell, TERENA)
- › 10.05-11.00
 - › Building a Regional Wireless Network (Barry Forde, Lancaster University)
- › 11.00-11.45
 - › WiMAX Developments (Pavel Hobaus, Cisco Wireless)
- › 11.45-12.15
 - › Portable WLANs (Mark O'Leary, JANET-UK)
- › 12.15-13.15
 - › Lunch



Workshop Programme

- › 13.15-13.45
 - › Mobile Broadband for R&E Customers (Eoin Kenny, HEAnet)
- › 13.45-14.15
 - › Satellite Broadband (Kevin Prescott, Avanti Communications)
- › 14.15-14.45
 - › Communications for Remote Institutions (Jem Taylor, UHI)
- › 14.45-15.15
 - › Developing and Managing a Metropolitan Wireless Network (Zbigniew Oltuszyk, PSNC)
- › 15.15-15.45
 - › Coffee Break
- › 15.45-17.15
 - › Panel Discussion